

28

Access DB# 88785

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Dennis Dorsey Examiner #: 74979 Date: 3/7/03  
Art Unit: 3637 Phone Number 306-9137 Serial Number: 09/882,849  
Mail Box and Bldg/Room Location: PK56X07 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*  
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Modular Floor-Covering Edge Treatment  
Inventors (please provide full names): David D. Oakley, Jeffery Joseph Roman,  
John Bradford LaGrange and David H. Gustashaw  
Earliest Priority Filing Date: 4/23/1999

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Carpet ~~tiles~~ tiles with peripheral portions removed or altered to give a grouted edge appearance

## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Frank H. Lutz</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>1305-5774</u>	AA Sequence (#) _____	Dialog <u>\$ 879.00</u>
Searcher Location: <u>ETC 3600</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: <u>3-11-2003</u>	Bibliographic _____	Dr.Link _____
Date Completed: <u>3-11-2003</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>101</u>	Other _____	Other (specify) _____

# EIC 3600

## Search Results

### Feedback Form (Optional)



Scientific & Technical Information Center

The search results generated for your recent request are attached. If you have any questions or comments (compliments or complaints) about the scope or the results of the search, please contact *the EIC searcher* who conducted the search *or contact*:

**Karen Lehman, 306-5783**

---

### *Voluntary Results Feedback Form*

➤ *I am an examiner in Workgroup:*                      *Example: 3610*

➤ *Relevant prior art **found**, search results used as follows:*

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

*Types of relevant prior art found:*

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ *Relevant prior art **not found**:*

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Search results were not useful in determining patentability or understanding the invention.

**Other Comments:**

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## Translations & Synonyms

### Synonyms for Carpet Tiles

For carpet tiles there are several synonyms used throughout the world. Depending on the geographic location one is more popular than the other, but all have the same meaning. Known synonyms are:

- modular carpet
- modular commercial carpet
- carpet squares
- squares
- tile carpet
- tilecarpet
- carpettiles
- contract carpet tiles
- commercial carpet
- contract carpet tiles
- contract carpet
- contract flooring
- tiling
- carpet tiling

Do you know other terms? Please let us know and we might add your suggestion to this listing.

### Translations and synonyms for Carpet Tiles in various languages

Below you find a list of translations for Carpet Tiles in various languages. Out of professional interest (some may call it deformation!) we intent to build a comprehensive list of translations. Do you know other terms or is your language missing? We invite you to submit your suggestions.

- German : Fliesen, Teppichfliesen, Fliesenteppich, Objekt Teppichboden, Objekt Teppichböden, Objekt Fußboden, Objekt Fussboden
- French : moquette en dalles, dalle de moquette, dalles de moquette, revêtement dalle moquette
- Spanish : losetas, loseta, loseta de moqueta, losetas de moqueta, moqueta en losetas, moqueta modular, moqueta de contrata, suelos de contrata, losetas de contrata, moqueta uso comercial, moqueta en losetas (vinyl = vinilo, vinilo tejido)
- Dutch : tapijttegels, tapijttegel, tegeltapijt, tapijt tegels, tapijt tegel, project tapijt, project tapijt, projecttapijt, projecttapijt

### Synonyms for Vinyl

For vinyl there are several synonyms used throughout the world. Depending on the geographic location one is more popular than the other, but all have the same meaning. Known synonyms are:

- modular vinyl
- modular commercial vinyl
- vinyl squares
- squares
- tile vinyl
- tilevinyl
- vinyl tiles

- vinyltiles
- contract vinyl tiles
- commercial vinyl
- contract vinyl tiles
- contract vinyl
- tiling
- vinyl tiling
- vinyl rolls
- vinyl sheets
- resilient flooring
- vynil

Do you know other terms? Please let us [know](#) and we might add your suggestion to this listing.

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OR CALL +31 36 534 6360.

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Do you want to know more about the buildings and statues depicted as background illustrations?  
Click [HERE](#) to read about the history, construction details and the architect.  
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Search Report from Ginger D. Roberts

?show files;ds

File 6:NTIS 1964-2003/Mar W2  
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File 16:Gale Group PROMT(R) 1990-2003/Mar 10  
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File 47:Gale Group Magazine DB(TM) 1959-2003/Mar 07  
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File 67:World Textiles 1968-2003/Feb  
(c) 2003 Elsevier Science Ltd.

File 88:Gale Group Business A.R.T.S. 1976-2003/Mar 11  
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File 103:Energy SciTec 1974-2003/Feb B2  
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File 110:WasteInfo 1974-2002/Jul  
(c) 2002 AEA Techn Env.

File 141:Readers Guide 1983-2003/Jan  
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File 148:Gale Group Trade & Industry DB 1976-2003/Mar 07  
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File 211:Gale Group Newsearch(TM) 2003/Mar 10  
(c) 2003 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2003/Mar 10  
(c) 2003 The Gale Group

File 340:CLAIMS(R)/US Patent 1950-03/Mar 06  
(c) 2003 IFI/CLAIMS(R)

File 342:Derwent Patents Citation Indx 1978-01/200256  
(c) 2003 Thomson Derwent

File 345:Inpadoc/Fam. & Legal Stat 1968-2003/UD=200308  
(c) 2003 EPO

File 348:EUROPEAN PATENTS 1978-2003/Mar W01  
(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030306,UT=20030227  
(c) 2003 WIPO/Univentio

File 351:Derwent WPI 1963-2003/UD,UM &UP=200316  
(c) 2003 Thomson Derwent

File 433:Charleston Newspapers 1997-2003/Mar 10  
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File 484:Periodical Abs Plustext 1986-2003/Mar W1  
(c) 2003 ProQuest

File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
(c) 2002 Phoenix Newspapers

File 640:San Francisco Chronicle 1988-2003/Mar 11  
(c) 2003 Chronicle Publ. Co.

File 641:Rocky Mountain News Jun 1989-2003/Mar 10  
(c) 2003 Scripps Howard News

File 652:US Patents Fulltext 1971-1975  
(c) format only 2002 The Dialog Corp.

File 654:US PAT.FULL. 1976-2003/Mar 04  
(c) FORMAT ONLY 2003 THE DIALOG CORP.

File 704:(Portland)The Oregonian 1989-2003/Mar 09  
(c) 2003 The Oregonian

File 725:(Cleveland)Plain Dealer Aug 1991-2003/Mar 10  
(c) 2003 The Plain Dealer

File 727:Canadian Newspapers 1990-2003/Mar 11  
(c) 2003 Southam Inc.

File 757:Mirror Publications/Independent Newspapers 2000-2003/Mar 11  
(c) 2003

File 763:Freedonia Market Res. 1990-2003/Feb  
(c) 2003 Freedonia Group Inc.

File 766:(R)Kalorama Info Market Res. 1993-2000/Aug

March 11, 2003 1 17:44

Search Report from Ginger D. Roberts

(c) 2000 Kalorama Info Inc  
File 781:ProQuest Newsstand 1998-2003/Mar 07  
(c) 2003 ProQuest Info&Learning  
File 990:NewsRoom Current 2003/Mar 11  
(c) 2003 The Dialog Corp.  
File 993:NewsRoom 2002/Jan-Nov  
(c) 2003 The Dialog Corporation  
File 994:NewsRoom 2001  
(c) 2003 The Dialog Corporation  
File 995:NewsRoom 2000  
(c) 2003 The Dialog Corporation

Set	Items	Description
S1	137	GROUT?(6N) (MIMIC? OR FAKE? OR ARTIFICIAL OR SIMULAT?) (S) (T- ILE? ? OR MODULE? ? OR SQUARE?)
S2	123	RD (unique items)

?t2/3,k/all

2/3,K/1 (Item 1 from file: 6)  
DIALOG(R)File 6:NTIS  
(c) 2003 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

2003292 NTIS Accession Number: DE97001499

**Mathematical modeling of permeation grouting and subsurface barrier performance**

Finsterle, S. ; Oldenburg, C. M. ; James, A. L. ; Pruess, K. ; Moridis, G. J.

Lawrence Berkeley National Lab., CA.

Corp. Source Codes: 112182000; 9534400

Sponsor: Department of Energy, Washington, DC.

Report No.: LBNL-39419; CONF-970208-1

Sep 96 10p

Languages: English Document Type: Conference proceeding

Journal Announcement: GRAI9714; ERA9726

International containment technology conference and exhibition, St. Petersburg, FL (United States), 9-12 Feb 1997. Sponsored by Department of Energy, Washington, DC.

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NTIS Prices: PC A02/MF A01

... underground barriers for the containment of contaminants. The authors have developed a new fluid property **module** for the reservoir **simulator** TOUGH2 to model **grout** injection, taking into account the increase of liquid viscosity as a function of time and...

... hydraulic properties after solidification of the gel within the pore space. The new fluid property **module** has been used to design and analyze laboratory experiments and field pilot tests in saturated...

... analysis of barrier performance. In this paper the authors discuss the modeling approach and present **simulation** results of multiple **grout** injections into a heterogeneous, unsaturated formation.

2/3,K/2 (Item 2 from file: 6)  
DIALOG(R)File 6:NTIS  
(c) 2003 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

1929502 NTIS Accession Number: DE96000134

**Injectable barriers for waste isolation**

March 11, 2003 2 17:44

Search Report from Ginger D. Roberts

Persoff, P. ; Finsterle, S. ; Moridis, G. J. ; Apps, J. ; Pruess, K.  
Lawrence Berkeley Lab., CA.  
Corp. Source Codes: 086929000; 9513034  
Sponsor: Department of Energy, Washington, DC.  
Report No.: LBL-36739; CONF-950828-19  
Mar 95 11p

Languages: English Document Type: Conference proceeding  
Journal Announcement: GRAI9606; ERA9608

National heat transfer conference, Portland, OR (United States), 5-9 Aug 1995. Sponsored by Department of Energy, Washington, DC.

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NTIS Prices: PC A03/MF A01

...and redistributes due to capillary forces as it gels. The authors have developed a new **module** for the reservoir **simulator** TOUGH2 to model **grout** injection into the vadose zone, taking into account the increase of liquid viscosity as a...

... and analyze laboratory experiments and field pilot tests. The authors present the results of computer **simulations** of **grout** injection, redistribution, and solidification.

**2/3,K/3 (Item 1 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

07196005 Supplier Number: 60021654 (USE FORMAT 7 FOR FULLTEXT)

**High-End Merchandising.**

Simpson, Robert

Flooring, v106, n2, p27

Feb, 2000

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 523

... objective of this entire program was to enable our key dealers to effectively market ceramic **tile**. The approach we took was to feature panels with **grouted** ceramic **tile** that would best **simulate** real applications," said Lori Kirk-Rolley, marketing director for Daltile.

The display measures 111 inches...

**2/3,K/4 (Item 2 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

07042367 Supplier Number: 57563846 (USE FORMAT 7 FOR FULLTEXT)

**Product Spotlight.**

Flooring, v104, n9, p36

Sept, 1998

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1513

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

The Formica Flooring Ceramix Collection, a laminate flooring line, combines the beauty of ceramic **tile** with the performance benefits of Formica

Search Report from Ginger D. Roberts

Flooring for less cost and maintenance than a traditional **tile** floor. Through Formica Flooring's advanced manufacturing technology, the company's design team was successfully able to **mimic** the look of the ceramic **tile grout** --another "Formica first" Backed by the industry's only 15-year water damage guarantee, the designs are especially appropriate for the kitchen or bath, where consumers may prefer a **tile** look. The collection is available in nine rich colors in three patterns. Sold in 24" x 24" **modules**, the Ceramix Collection is designed to cover entire rooms rather than acting merely as an...

2/3,K/5 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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05931668 Supplier Number: 53176187 (USE FORMAT 7 FOR FULLTEXT)  
**CERAMIX COLLECTION.**  
Flooring, p10  
Oct 1, 1998  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 127

... Formica Flooring's advanced manufacturing technology,  
the company's design team was successfully able to **mimic** the look  
of the  
ceramic **tile grout** - another 'Formica first' With the industry's  
only  
15-year water damage guarantee, the designs...

2/3,K/6 (Item 1 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2003 The Gale group. All rts. reserv.

06122652 SUPPLIER NUMBER: 76560483 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Repaving the way.(designs and materials for re-paving of driveways) (Brief Article)**  
Whiteley, Peter O.  
Sunset, 207, 1, 120  
July, 2001  
DOCUMENT TYPE: Brief Article ISSN: 0039-5404 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 945 LINE COUNT: 00074

... following the cracks, they'll score back through the new top  
coating to create faux **grout** lines around free-form shapes that **simulate**  
flagstones. Another top-coat technique creates a travertine finish with a  
smooth top and rougher...

...voids--it's popular in hot climates because it stays cool. \$2 to \$6 per  
**square** foot.

2/3,K/7 (Item 2 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2003 The Gale group. All rts. reserv.

05311305 SUPPLIER NUMBER: 53682529 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Best New Products 1999.(new home furnishing products) (Buyers Guide)**  
Today's Homeowner, 95, 832, 24(1)  
Feb, 1999

DOCUMENT TYPE: Buyers Guide      ISSN: 1089-4810      LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 4518      LINE COUNT: 00349

...      THIS FLOOR WILL FOOL YOU

The Formica Ceramix Collection (\$4.99 to \$5.49 per square foot) really passes for ceramic tile; even the simulated grout inspires a double take. Combining the performance benefits of laminates with the visual appeal of ceramic tile, this flooring is warmer and softer underfoot than tile and more resistant to chipping and cracking. And ... like the kitchen and bath when it's installed by a professional. The 24x24-in. modules are available in nine colors and three styles. Formica, www.formica.com; 800/367...

2/3,K/8      (Item 3 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2003 The Gale group. All rts. reserv.

04431997      SUPPLIER NUMBER: 17991925

Painter 4.0. (Fractal Design graphics software) (Software Review) (Evaluation)

Safreed, Sean

MacUser, v12, n4, p42(1)

April, 1996

DOCUMENT TYPE: Evaluation      ISSN: 0884-0997      LANGUAGE: English  
RECORD TYPE: Abstract

...ABSTRACT: is sometimes awkward. Painter 4.0 adds a new Mosaic brushing tool that lays down tiles based on user-specified width, length and grout settings. It closely mimics the approach of traditional mosaic art by using 'partial-width' tiles to fill corner sections. Painter images can double as Web-page links, and users can...

2/3,K/9      (Item 1 from file: 67)

DIALOG(R)File 67:World Textiles

(c) 2003 Elsevier Science Ltd. All rts. reserv.

00267844      WORLD TEXTILE NO: 2014311

Modular floor covering edge treatment

AUTHOR(S): Interface Inc.; Oakey D.D.; Bradford J.; Gray K.; Gustashaw D.H.

CORPORATE SOURCE: D.D. Oakey, 868 Tiney Woods Drive, LaGrange, GA 30240,

United States

Extracts from European Patent Applications, Part 1B: Primary Industry,

Fixed Constructions, Mining, 18/22 (1688), 2002

COUNTRY OF PUBLICATION: Germany

DOCUMENT TYPE: Journal; Patent

RECORD TYPE: ABSTRACT

ISSN: 0943-1268

PATENT NO: EP 1 208 259

PATENT PUBLICATION DATE: 00907014.5, 25 Jan 2000

PRIORITY APPLICATION: United States, 148043 P, 04 Aug 1999

LANGUAGES: ENGLISH

Textile fiber face modular flooring having edges treated to mimic the appearance of grout between installed modules and methods and apparatus for producing such modules.

2/3,K/10      (Item 1 from file: 103)

DIALOG(R)File 103:Energy SciTec

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03935317 AIX-26-077006; EDB-96-019077

**Title: Packaging design and qualification: The experience of the Centro de Desenvolvimento da Tecnologia Nuclear/Comissao Nacional de Energia Nuclear**

Author(s): Mourao, R.P.; Miaw, S.T.W. (Centro de Desenvolvimento da Tecnologia Nuclear, Minas Gerais (Brazil))

**Title: Developments in the transport of radioactive waste. Proceedings of a seminar held in Vienna, 21-25 February 1994**

Corporate Source: International Atomic Energy Agency, Vienna (Austria)

Conference Title: Seminar on developments in radioactive waste transport

Conference Location: Vienna (Austria) Conference Date: 21-25 Feb 1994

ISSN: 1011-4289

Publication Date: Jun 1995

p 244-248 (257 p)

Report Number(s): IAEA-TECDOC-802 CONF-940212--

Order Number: DE96606444

Language: English

...Abstract: generated in the accident were first conditioned in the readily available packagings, like commercial drums, **square** boxes and large shipping containers. Later on, more appropriate packagings were designed by the CDTN...

...phase the drums were sectioned and representative sections of their body, in contact with pure **grout** or with cemented **simulated** wastes were stored in a laboratory and in the open. The results obtained point out...

2/3,K/11 (Item 2 from file: 103)

DIALOG(R)File 103:Energy SciTec

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03730160 NEDO-93-921365; EDB-94-146126

**Title: Grout-joint for connecting horizontal main reinforcements of diaphragm wall**

Original Title: Chichu renzokuheki ni mochiiru suihei tekkin setsugoyo grout tsugite no seino

Author(s): Usami, S.; Tanaka, S.; Miyata, A.; Hayami, Y. (Kajima Corp., Tokyo (Japan))

Source: Kajima Gijutsu Kenkyusho Nenpo (Annual Report, Kajima Technical Research Institute) (Japan) v 41. Coden: KGKNE9 ISSN: 0918-015X

Publication Date: 31 Oct 1993

p 221-226

Language: Japanese

...Abstract: through the following procedures: elucidation of tensile strength transmitting performance by using tensile tests and **simulation** analysis of the **grout** -joint; and confirmation of stress transmitting performance of the members including inter-wall joints by ...

...obtained: Tensile withstand force ( $T_e$ ) when hardwares are in the grout is proportional with the **square** root ( $F_c^{sup 1/2}$ ) of grout compaction strength, and  $T_e/F_c^{sup 1/2}$ ...

2/3,K/12 (Item 1 from file: 110)

DIALOG(R)File 110:WasteInfo

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although they can supply " simulated " grout -- strips of material to run between tiles .

"Most vinyl-composite tiles are something like 80 percent fillers," says Jeremy Paul, director of...

2/3,K/18 (Item 1 from file: 340)  
DIALOG(R)File 340:CLAIMS(R)/US Patent  
(c) 2003 IFI/CLAIMS(R). All rts. reserv.

10128312 2002-0071930 2002-0019179  
**C/MODULAR FLOOR COVERING EDGE TREATMENT**  
Inventors: Bradford John (US); Gray Keith N (US); Gustashaw David H (US);  
Oakey David D (US); Roman Jeffery Joseph (US)  
Assignee: Unassigned Or Assigned To Individual  
Assignee Code: 68000

	Kind	Publication Number	Date	Application Number	Date
	A1	US 20020071930	20020613	US 2001882849	20010615
Cont.-in-part of:		UNKNOWN		WO 2000US1717	20000125
Priority Applic:				US 2001882849	20010615
				WO 2000US1717	20000125
Provisional Applic:				US 60-130795	19990423
				US 60-148043	19990804

Abstract: Textile fiber face modular flooring having edges treated to mimic the appearance of grout between installed modules or otherwise provide visual demarcation between modules and methods and apparatus for producing such modules .

2/3,K/19 (Item 2 from file: 340)  
DIALOG(R)File 340:CLAIMS(R)/US Patent  
(c) 2003 IFI/CLAIMS(R). All rts. reserv.

3656377 4348973  
**M/SURFACE COVERING SYSTEM AND METHODS OF INSTALLING SAME**  
Inventors: Chen Hao A (US); Whispell John M (US)  
Assignee: Mannington Mills Inc  
Assignee Code: 52058

	Kind	Publication Number	Date	Application Number	Date
	B	US 6363677	20020402	US 2000546255	20000410
Priority Applic:				US 2000546255	20000410

Calculated Expiration: 20200410

Abstract: A surface covering system is described which involves a series of interconnected tiles having a spline system located between the tiles to simulate the appearance of grout . Each tile has on its sides, at least one tongue section and at least two groove sections wherein the tongue section of one tile interconnects with the groove section of a second tile and further forms a gap at least at the upper surface between the two tiles . A first spline, having two tongue sections for interconnecting with the groove section(s) of at least one tile , is inserted between a series of tiles . A second spline capable of fitting into the gap formed between two or more tiles , which are interconnected at a tongue of a first tile and a groove of a second tile is further

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used. Methods of installing the surface covering system of the invention are further...

2/3,K/20 (Item 3 from file: 340)  
DIALOG(R)File 340:CLAIMS(R)/US Patent  
(c) 2003 IFI/CLAIMS(R). All rts. reserv.

3105398 9904233  
C/MOSAIC REPRODUCTIONS ON A TILE SUBSTRATE  
Inventors: Crossley John W (US)  
Assignee: Vitrium Corp  
Assignee Code: 48646

	Kind	Publication Number	Date	Application Number	Date
	A	US 5866225	19990202	US 97826868	19970411
Priority Applic:				US 97826868	19970411

Calculated Expiration: 20170411

Non-exemplary Claims: ...8. A process for treating the surface of a **tile** substrate to reproduce thereon a mosaic design having **simulated** mosaic pieces separated by **grout** spaces, comprising the steps of: selectively glazing the surface of the substrate with a plurality...

2/3,K/21 (Item 4 from file: 340)  
DIALOG(R)File 340:CLAIMS(R)/US Patent  
(c) 2003 IFI/CLAIMS(R). All rts. reserv.

2637899 3556407  
M/INTERIOR CORNER JOINT SIMULATING GROUT LINE FOR WALL BOARDS  
SIMULATING TILES EMBEDDED IN GROUT  
Inventors: Gibbard David W (US); Hutchings Douglas F (US); Koenig Paul J (US); Manwell Richard C (US)  
Assignee: Trayco Inc  
Assignee Code: 05923

	Kind	Publication Number	Date	Application Number	Date
	A	US 5444953	19950829	US 91742977	19910809
		(Cited in 003 later patents)			
Priority Applic:				US 91742977	19910809

Calculated Expiration: 20120829

INTERIOR CORNER JOINT SIMULATING GROUT LINE FOR WALL BOARDS SIMULATING  
TILES EMBEDDED IN GROUT

Abstract: An interior corner joint for joining wall board panels, particularly wall board panels **simulating tiles** embedded in **grout**, in a corner. The interior corner joint comprises a first base section; a second base...

...joint is the flange. The flange can be provided with a concave outer surface to **simulate** a corner **grout** line.

Exemplary Claim: ...corner joint simulating grout line adapted to join together at least two wall board panels **simulating tiles** embedded in



**grout** at a corner intersection comprising: a first base section having an outer edge and an...

...wall board panel; a flange, including an outer surface which is concave in crosssection and **simulates** a **grout** line, extending from said rib in the direction of said outer edge of said first...

2/3,K/22 (Item 5 from file: 340)  
DIALOG(R) File 340:CLAIMS(R)/US Patent  
(c) 2003 IFI/CLAIMS(R). All rts. reserv.

2418870 3369394

**M/EXTENSION JOINT SIMULATING GROUT LIKE FOR TILE BOARD**

Inventors: Gibbard David W (US); Hutchings Douglas F (US); Koenig Paul J (US); Manwell Richard C (US)

Assignee: Trayco Inc

Assignee Code: 05923

Kind	Publication Number	Date	Application Number	Date
A	US 5263294	19931123	US 91742978	19910809
	(Cited in 005 later patents)			
Priority Applic:			US 91742978	19910809

Calculated Expiration: 20110809

**EXTENSION JOINT SIMULATING GROUT LIKE FOR TILE BOARD**

Abstract: An extension joint for use with wall boards **simulating** **tiles** embedded in **grout**. The extension joint is disposed between two adjoining wall board panels and **simulates** a **grout** line. The wall joint comprises a long narrow strip of material having two spaced apart...

...the two base sections. The top outer surface of the ridge section is concave to **simulate** a **grout** line.

Exemplary Claim: ...W I N G

1. A long, narrow extension joint for use with wall boards **simulating** **tiles** embedded in **grout** comprising: a first horizontal base section; a second horizontal base section spaced from said first...

...side walls, with the outer surface of said top wall being concave and rounded and **simulating** a **grout** line.

2. The extension joint of claim 1 wherein said base sections have a flat...

Non-exemplary Claims: ...7. A wall board panel assembly **simulating** **tiles** embedded in **grout** comprising at least two wall board panels mounted adjacent each other in a side-by...

...edge of each panel being adjacent one edge of the next adjacent panel, said panels **simulating** **tiles** embedded in **grout**; long, narrow joint member having a pair of outwardly extending base sections each one of...

...side walls, with the outer surface of said top wall being concave and rounded and **simulating** a **grout** line; said raised portion of said joint member being disposed between said adjacent edges of said board panels, with said concave and rounded outer surface of said top wall **simulating** a **grout** line...

Search Report from Ginger D. Roberts

2/3,K/23 (Item 6 from file: 340)  
 DIALOG(R)File 340:CLAIMS(R)/US Patent  
 (c) 2003 IFI/CLAIMS(R). All rts. reserv.

2204909 9127490

**C/PROCESS FOR COVERING A SUBSTRATE WITH A CEMENTITIOUS SURFACE HAVING A  
 MOTTLED, SPECKLED APPEARANCE; SIMULATED CERAMIC COATING**

Inventors: McKinnon Gordon (US)  
 Assignee: Unassigned Or Assigned To Individual  
 Assignee Code: 68000

	Kind	Publication Number	Date	Application Number	Date
	A	US 5069939	19911203	US 90524043	19900516
		(Cited in 002 later patents)			
Continuation of:		US 4959250		US 87122398	19871119
Cont.-in-part of:		US 4721634		US 86861233	19860507
Priority Applic:				US 90524043	19900516
				US 87122398	19871119
				US 86861233	19860507

Calculated Expiration: 20081203

Non-exemplary Claims: ...strips of tape are positioned and releasably secured in the shape of grout lines between **tile** onto the cementitious substrate prior to coating the cementitious substrate with the second mortar; allowing...

...with a flattened and shaped pattern over the cementitious substrate simulating a mottled, speckled ceramic **tile** and to reveal the cementitious substrate representing grout lines where the second mortar covered the tape to yield **grout** lines of the cementitious substrate **simulating** a plurality of mottled and speckled ceramic **tiles**.

...the cementitious substrate representing grout lines where the second mortar covered the tape to yield **grout** lines of the cementitious substrate **simulating** a plurality of mottled and speckled ceramic **tiles**.

...

...the cementitious substrate representing grout lines where the second mortar covered the tape to yield **grout** lines of the cementitious substrate **simulating** a plurality of mottled and speckled ceramic **tiles**.

2/3,K/24 (Item 7 from file: 340)  
 DIALOG(R)File 340:CLAIMS(R)/US Patent  
 (c) 2003 IFI/CLAIMS(R). All rts. reserv.

2185389 3158260

**M/TILE BOARD**

Inventors: Gentsch Barton K (US); Whitney Thomas M (US)  
 Assignee: Trayco Inc  
 Assignee Code: 05923

	Kind	Publication Number	Date	Application Number	Date
	A	US 5052160	19911001	US 87123487	19871120
		(Cited in 003 later patents)			

Search Report from Ginger D. Roberts

Cont.-in-part of:	ABANDONED	US 84575217	19840130
	ABANDONED	US 86906326	19860911
Priority Applic:		US 87123487	19871120
		US 84575217	19840130
		US 86906326	19860911

Calculated Expiration: 20081001

Abstract: A **tile** board made from a one piece sheet having top and bottom portions of contrasting colors...

...to expose strips of the bottom layer. The exposed strip divides the top layer into **tile** sized members which simulate inlaid **tiles** having beveled edges. The exposed strips of the bottom layers **simulate** recessed **grout** lines. Machining of the grooves through the top layer simultaneously forms the **simulated tiles** and **simulated grout** lines in the plastic sheet. The **tile** board can have a bent edge section to provide a finished **tile** look spanning a corner of two adjacent walls. This is a Continuation-in-Part of...

Exemplary Claim: ...I N G

1. A coextruded, grooved, plastic material tile board for bathrooms and kitchens **simulating tiles** embedded in **grout** comprising: a top layer of plastic material; an underlying layer of plastic material of different...

...layer and underlying layer being integrally formed together by coextrusion and solidifying to form said **tile** board free from any separate adhesives therebetween; said top layer having grooves formed therethrough by...

...it solidifies to expose strips of said underlying layer, said strips having a width and **simulating grout** lines; the groove having a total width that is visibly greater than said width of...

...of said underlying layer; and said exposed strips visibly dividing said top layer into finished **tile** sized components simulating individual **tiles** .

Non-exemplary Claims: ...that said tile board can span an outer corner of two adjacent walls with said **simulated grout** lines being exposed...

...8. A coextruded, grooved, plastic tile board for bathrooms and kitchens **simulating tiles** embedded in **grout** produced by a process comprising: coextruding a top plastic layer and an underlying plastic layer...

...top layer to expose strips of said underlying layer, said strips having a width and **simulating grout** lines; the grooves having a width that is visibly greater than said width of the...

...strips of said underlying layer; and said exposed strips visibly dividing said top layer into **tile** sized components simulating individual **tiles** .

...

...10. A method of manufacturing a grooved, plastic tile board for bathrooms and kitchens **simulating tiles** embedded in **grout** comprising: producing a one piece multi-layered plastic sheet having a top plastic layer and an underlying plastic layer visually identifiable from said top layer by: simulating individual **tiles** by: form said multi-layer plastic sheet; said top layer being visually identifiable from said...

...said bottom layer; and forming tapered edges of said top layer, whereby

Search Report from Ginger D. Roberts

line in linearly continuous **simulated grouting** in the linoleum's surface, said implement comprising, (a) a laminar, elongated, generally rectangular metal...

...said marginal portion having a thickness corresponding to the minimum width of grouting in said **tile** -pattern of a first rollportion of said linoleum roll stock, so as to enable a...

...to maintain a predetermined uniform width of said continuous grouting and match the overall grouted- **tile** -pattern without showing the joint.

Non-exemplary Claims: ...spaced apart apertures on the surface of said first roll-portion along a continuous longitudinal **simulated grouting** therein, said member being laminar, elongated and generally rectangular, (b) visually aligning the inner boundary...

2/3,K/28 (Item 11 from file: 340)

DIALOG(R)File 340:CLAIMS(R)/US Patent

(c) 2003 IFI/CLAIMS(R). All rts. reserv.

1264604 8009742

**C/REGISTER EMBOSS AND METHOD; FLOOR TILES AND WALL COVERINGS**

Inventors: MCCANN THOMAS J (US); REGAN ERNEST E (US)

Assignee: DOWDFLOR CORP

Assignee Code: 02356 (REASSIGNED - See file 123 for details)

	Publication		Application	
Kind	Number	Date	Number	Date
A	US 4210693	19800701	US 77862627	19771220
	(Cited in 023 later patents)			

Priority Applic: US 77862627 19771220

Calculated Expiration: 19971220

Disclaimer Date: 19950711

Non-exemplary Claims: ...In the process of claim 1, applying a thinner layer of said curable coating to **grout simulated** printed patterns and, applying a thicker layer of said curable coating to **tile simulated** printed areas...

2/3,K/29 (Item 1 from file: 342)

DIALOG(R)File 342:Derwent Patents Citation Indx

(c) 2003 Thomson Derwent. All rts. reserv.

03530473 WPI Acc No: 99-538858/45

**Making decorative, resilient floor covering simulating appearance of natural stone or ceramic grouted tiles -**

Patent Assignee: (MCKI/) MCKINNON G

Author (Inventor): MCKINNON G

Patent (basic)

Patent No	Kind	Date	Examiner	Field of Search
US 5942072	A	990824 (BASIC)	156/247; 156/278; 156/279; 156/280;	
			156/281; 427/202; 427/203; 427/258; 427/259;	
			427/262; 427/263; 427/264; 427/265; 427/267;	
			427/272; 427/277; 427/278; 427/282;	
			427/407.1; 427/408; 52/311.1; 52/314; 52/315	

Derwent Week (Basic): 9945

Priority Data: US 840708 (970425)

Applications: US 840708 (970425)

Derwent Class: A25; A32; A35; A93; A95; P42; P73

Search Report from Ginger D. Roberts

Int Pat Class: B05D-001/38  
Number of Patents: 001  
Number of Countries: 001  
Number of Cited Patents: 027  
Number of Cited Literature References: 000  
Number of Citing Patents: 000

**2/3,K/30 (Item 1 from file: 345)**  
DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat  
(c) 2003 EPO. All rts. reserv.

12587335

Basic Patent (No,Kind,Date): US 5444953 A 950829 <No. of Patents: 001>  
**INTERIOR CORNER JOINT SIMULATING GROUT LINE FOR WALL BOARDS SIMULATING**

**TILES EMBEDDED IN GROUT (English)**

Patent Assignee: TRAYCO INC (US)

Author (Inventor): KOENIG PAUL J (US); HUTCHINGS DOUGLAS F (US); GIBBARD  
DAVID W (US); MANWELL RICHARD C (US)

National Class: \*052282100; 052255000; 052288100; 052276000; 052278000;  
052476000; 052773000

IPC: \*E04B-001/38;

Derwent WPI Acc No: \*G 95-310420; G 95-310420

Language of Document: English

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
US 5444953	A	950829	US 742977	A	910809 (BASIC)

Priority Data (No,Kind,Date):

US 742977 A 910809

Dialog File: Inpadoc/Fam.& Legal Stat\_1968-2003/UD=200308

**2/3,K/31 (Item 2 from file: 345)**  
DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat  
(c) 2003 EPO. All rts. reserv.

11494844

Basic Patent (No,Kind,Date): US 5263294 A 931123 <No. of Patents: 001>

**EXTENSION JOINT SIMULATING GROUT LIKE FOR TILE BOARD (English)**

Patent Assignee: TRAYCO INC (US)

Author (Inventor): KOENIG PAUL J (US); HUTCHINGS DOUGLAS F (US); GIBBARD  
DAVID W (US); MANWELL RICHARD C (US)

National Class: \*052468000; 052471000; 052035000; 052403000

IPC: \*E04B-001/38;

Derwent WPI Acc No: G 93-385102

Language of Document: English

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
US 5263294	A	931123	US 742978	A	910809 (BASIC)

Priority Data (No,Kind,Date):

US 742978 A 910809

Dialog File: Inpadoc/Fam.& Legal Stat\_1968-2003/UD=200308

**2/3,K/32 (Item 1 from file: 348)**  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

01446322

**Mechanical embossing texture differentiation between chemically foamed**

Search Report from Ginger D. Roberts

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LEGAL REPRESENTATIVE:

Finck, Dieter, Dr.Ing. et al (3631), v. Funer Ebbinghaus Finck Hano  
Mariahilfplatz 2 - 3, 81541 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1228813 A2 020807 (Basic)

APPLICATION (CC, No, Date): EP 2002002356 020131;

PRIORITY (CC, No, Date): US 777040 010205

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: B05D-005/06

ABSTRACT WORD COUNT: 210

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200232	2163
SPEC A	(English)	200232	7373
Total word count - document A			9536
Total word count - document B			0
Total word count - documents A + B			9536

...SPECIFICATION embossed and non-embossed regions. This can be particularly effective in surface coverings where a **grout** line is to be **mimicked**. For example, **tile** flooring includes **tiles** with relatively high gloss relative to the grout. Floor coverings can be prepared in which the regions of the floor covering imitating the **tiles** have a relatively high gloss, and the regions of the floor covering imitating the grout lines between the **tiles** have a relatively low gloss.

Methods of Applying the Compositions

The coating compositions can be...

2/3,K/34 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01340962

Surface covering system and methods of installing same

System fur Flächenverkleidung und Verfahren zu ihrer Installation

Systeme de revetement de surfaces et ses procedes de montage

PATENT ASSIGNEE:

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Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)  
, Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1146182 A2 011017 (Basic)  
EP 1146182 A3 011219

APPLICATION (CC, No, Date): EP 2001108960 010410;

PRIORITY (CC, No, Date): US 546255 000410

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;

Search Report from Ginger D. Roberts

LU; MC; NL; PT; SE; TR  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: E04F-015/02  
ABSTRACT WORD COUNT: 163  
NOTE:

Figure number on first page: 10

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200142	791
SPEC A	(English)	200142	5267
Total word count - document A			6058
Total word count - document B			0
Total word count - documents A + B			6058

...ABSTRACT A2

A surface covering system is described which involves a series of interconnected **tiles** (1,2) having a spline system located between the **tiles** (1,2) to **simulate** the appearance of **grout**. Each **tile** (1,2) has on its sides, at least one tongue section and at least two groove sections (7) wherein the tongue section of one **tile** (1,2) interconnects with the groove section (7) of a second **tile** (1,2) and further forms a gap at least at the upper surface between the two **tiles** (1,2). A first spline (3), having two tongue sections (11) for interconnecting with the groove section(s) (7) of at least one **tile** (1,2), is inserted between a series of **tiles** (1,2). A second spline capable of fitting into the gap formed between two or more **tiles** (1,2), which are interconnected at a tongue of a first **tile** and a groove of a second **tile** is further used. Methods of installing the surface covering system of the invention are further...

...SPECIFICATION further requires emulating the joints which exist between the various tiles.

Conventional ways of making **simulated grout tiles** include using printed **grout** that becomes part of the overall **tile** product. In other words, the **simulated grout** is printed onto a **tile** along with the simulated design of the marble, slate, and the like. Another method of **simulating grout tiles** is to apply hot melt or liquid grout materials to fill the gap between two **tiles**. However, these conventional methods of **simulating grout** have many disadvantages. For instance, the printed **grout** has a **fake** appearance and therefore does not **simulate grout** very well. In particular, the printed grout is on the same plane as the **tiles**, and even though the grout may be embossed with a different texture, there is still...

...or marble, for instance, leads to low manufacture efficiency and yield because to cut the **square tiles** from a big laminate board requires expensive sensors to register the printed board to the...

...the present invention is to provide a system which overcomes the difficulty of applying a **simulated grout** look to the gap between **tiles**.

Additional features and advantages of the present invention will be set forth in the following...a series of tiles with spline joints located between the tiles. The spline joints preferably **simulate grout** or mortar. The present invention further involves a method of installing the surface coverings.

In...upper surface of the first spline 3 preferably has a concave surface in order to **simulate** the concave surface of **grout**. This can be seen in Figures 4(a) through 6(a). The interaction of the first spline 3 with two **tiles** is further set forth in Figures 10 and 11. Generally,

Search Report from Ginger D. Roberts

the first spline 3 can simply be connected with the groove sections 7 of two or more tiles. However, adhesives or other bonding material can further be applied to the tongue sections 11...

...As indicated earlier, a second spline 4 is used in this surface covering system to simulate the same grout or mortar simulated by the first spline 3. The second spline 4 fills in gaps between tiles that run perpendicular or at an angle to the first spline 4, as can be...

...fits over the gap created by the interconnection of the tongue section 8 of one tile and the groove section 7 of a second tile as shown in Figures 1(b) through 3(b). The second spline 4 does not...

...is a piece of material that simply fits between the gap created by two connecting tiles. One preferred design having a type of trapezoidal shape is set forth in Figures 14...

...fits over notches 12 located on the first spline 3 at every intersection of four tiles. This second spline 4 is simply inserted or placed into the gap and then can...

...concave as shown in Figures 4(b) through 6(b). Again, this is done to simulate the appearance of grout or mortar.

Generally, any sequence of steps can be used to insert the tiles 1... end, a small gap may exist from one spline to the next spline. However, the simulated grout top portion of the second spline, which is laid on top, can disguise any possible...

2/3,K/35 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00706732

TWO-PART CLEANING COMPOSITION COMPRISING AT LEAST ONE PEROXIDE COMPOUND  
ZWEITEILIGE REINIGUNGSMITTELZUSAMMENSETZUNG WELCHE MINDESTENS EINE  
PEROXIDVERBINDUNG ENTHAELT

COMPOSITION DE NETTOYAGE A DEUX PARTIES COMPRENANT AU MOINS UN COMPOSE DE  
PEROXYDE

PATENT ASSIGNEE:

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, (applicant designated states: GB)

UNILEVER N.V., (200916), Weena 455, 3013 AL Rotterdam, (NL), (applicant  
designated states: DE;ES;FR;IT)

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PATENT (CC, No, Kind, Date): EP 733097 A1 960925 (Basic)  
EP 733097 B1 981021

WO 9516023 950615

APPLICATION (CC, No, Date): EP 95903289 941125; WO 94EP3924 941125

PRIORITY (CC, No, Date): GB 9325046 931207; GB 9406972 940408; GB 9413098  
940629; GB 9415908 940805

DESIGNATED STATES: DE; ES; FR; GB; IT

INTERNATIONAL PATENT CLASS: C11D-017/04; C11D-003/39;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

March 11, 2003 21 17:44



Search Report from Ginger D. Roberts

Fulltext Availability:  
Detailed Description

Detailed Description

... same resin blend. The print paper had on its top surface a rotogravure printed design **simulating** multicolored ceramic **tiles** surrounded by cementitious **grout** lines in a checkerboard pattern, said **tiles** being approximately 11-5/8 inches **square** with approximately 3/8 inch wide grouts lines in the length direction of the web...

2/3,K/39 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00925119 \*\*Image available\*\*

**TEXTURED LAMINATE FLOORING**  
**REVETEMENT DE SOL LAMINE TEXTURE**

Patent Applicant/Assignee:

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Inventor(s):

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THOMPSON Kevin Allen, 811 Greenwood Place, Dalton, GA 30720, US,  
BROWNEE David M, 9430 Lazy Circle Drive, Chattanooga, TN 37402, US,

Legal Representative:

ALTERA Allan G (et al) (agent), Needle & Rosenberg, P.C., The Candler  
Building, Suite 1200, 127 Peachtree Street, N.E., Atlanta, GA  
30303-1811, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200258924 A1 20020801 (WO 0258924)  
Application: WO 2001US2770 20010126 (PCT/WO US0102770)  
Priority Application: WO 2001US2770 20010126

Designated States: CA MX

Publication Language: English

Filing Language: English

Fulltext Word Count: 5460

Fulltext Availability:  
Detailed Description

Detailed Description

... a further example, in an embodiment in which the decorative pattern is a simulated ceramic **tile** having **tile** portions surrounded by groutlines, a texture 5 pattern having an irregular simulated stone texture and roughened or non-smoothed depressions to **simulate** recessed **grout** may be provided. These examples are merely illustrative and are not intended to be exhaustive...decorative layer 14. Further, any recessed depression in the wear layer 12 substantially overlaying the **simulated groutline** 40 in the decorative layer 14 may be provided with a "rough" **simulated grout** texture that is non-smooth visually and to the touch. This non-smooth and "rough..."

2/3,K/40 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00777641 \*\*Image available\*\*

**MODULAR FLOOR COVERING EDGE TREATMENT**  
**TRAITEMENT DE COUVERTURE DES BORDS D'UN PLANCHER MODULAIRE**

Patent Applicant/Assignee:

Search Report from Ginger D. Roberts

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US)

Patent Applicant/Inventor:

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, US (Nationality), (Designated only for: US)  
GRAY Keith, 575 Chastain Road, #507, Kennesaw, GA 30144, US, US  
(Residence), US (Nationality), (Designated only for: US)  
GUSTASHAW David H, 1260 Piedmont Lake Road, LaGrange, GA 30122, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

PRATT John S (et al) (agent), Kilpatrick Stockton LLP, Suite 2800, 1100  
Peachtree Street, Atlanta, GA 30309-4530, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200111133 A1 20010215 (WO 0111133)  
Application: WO 2000US1717 20000125 (PCT/WO US0001717)  
Priority Application: US 99130795 19990423; US 99148043 19990804

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6457

Fulltext Availability:

Detailed Description

English Abstract

Textile fiber face modular flooring having edges (70) treated to **mimic**  
the appearance of **grout** between installed **modules** (42) and methods  
and apparatus for producing such **modules** (42).

Detailed Description

... the appearance of the finished floor. Some resilient flooring such as  
vinyl flooring has long **mimicked** the appearance of **tile modules**  
with **grout** between the **tiles**, even in roll goods of substantial width  
having very few actual seams. However, textile face floor covering like  
carpet and carpet **tile** has generally sought to hide the seams between  
adjacent **modules** or other floor covering components, striving for  
"invisible" seams.

Floor covering, including carpet, is produced...

2/3,K/41 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00504592 \*\*Image available\*\*

ANCHOR SHEET AND ANCHOR SHEET MODULE

PLANCHE DE FIXATION ET MODULE CONSTITUANT CETTE PLANCHE

Patent Applicant/Assignee:

TAC-FAST SYSTEMS S A,

Search Report from Ginger D. Roberts

TAC-FAST SYSTEMS CANADA LIMITED,  
PACIONE Joseph R,

Inventor(s):

PACIONE Joseph R,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9935944 A2 19990722

Application: WO 99CA15 19990111 (PCT/WO CA9900015)

Priority Application: US 988565 19980116

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA  
UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM  
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM  
GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 13743

Fulltext Availability:

Detailed Description

Detailed Description

... Figure 22 shows another arrangement of the modular surface covering representing a decorative pattern with **artificial grout** separating carpet **tiles**.

Figure 23 shows a decorative pattern separator for use in the arrangement of Figure 22...such as rubber caulking, could be friction fit into the space between the tiles to **simulate** real **grout** or the rubber caulking could be provided as an elastic band of a size to fit around **tile** 114 or medallion 124. Such elastic band could even be preinstalled onto the **tile** before the covering **modules** such as 1 1 0 are assembled. Additionally even real grout could be used directly into the space between the **tiles**.

The anchor sheet and covering module of this invention in its various embodiments allows for...

2/3,K/42 (Item 6 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00433069 \*\*Image available\*\*

LIQUID COMPOSITIONS CONTAINING N-ALKYL AMMONIUM ACETONITRILE SALTS  
COMPOSITIONS LIQUIDES CONTENANT DES SELS D'ACETONITRILE D'AMMONIUM N-ALKYLE

Patent Applicant/Assignee:

THE CLOROX COMPANY,

Inventor(s):

CHOY Clement K,

DELINE James E,

FOLAND Lafayette D,

GARABEDIAN Aram Jr,

KLOTTER Kevin A,

PETRIN Michael J,

PHILLIPPI Martin A,

SMITH William L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9823533 A1 19980604

Application: WO 97US21335 19971118 (PCT/WO US9721335)

Priority Application: US 96758540 19961129

Designated States: AU BR CA CN ID JP KR MX PL RU SG TR UA AT BE CH DE DK ES  
FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 8517

Fulltext Availability:  
Detailed Description

Detailed Description

... removal performance against a laboratory mildew stain (*Aspergillus niger*). The stain was applied to bisque tiles (unglazed ceramic tiles to essentially mimic bathroom grout). A proprietary Minolta colorimeter was used to determine cleaning performance. To calibrate the colorimeter, a clean tile was used, and I 0 then the stained tile was read. Then, after the inventive cleaning composition was applied, the colorimeter read the tiles, and the readout would indicate % stain removal at various elapsed time intervals. In the Examples...

2/3,K/43 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00412643 \*\*Image available\*\*  
COVERING MODULE AND ANCHOR SHEET  
MODULE DE REVETEMENT ET FEUILLE D'ANCRAGE

Patent Applicant/Assignee:

TAC-FAST SYSTEMS S A,  
TAC-FAST SYSTEMS CANADA LIMITED,  
PACIONE Joseph Rocco,

Inventor(s):

PACIONE Joseph Rocco,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9803104 A1 19980129

Application: WO 97CA522 19970721 (PCT/WO CA9700522)

Priority Application: US 96684004 19960719; US 97850726 19970502

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW  
MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US US UZ VN GH KE  
LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB  
GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 9810

Fulltext Availability:

Detailed Description

Detailed Description

... Figure 22 shows another arrangement of the modular surface covering representing a decorative pattern with artificial grout separating carpet tiles.

Figure 23 shows a decorative pattern separator for use in the arrangement of Figure 22...

2/3,K/44 (Item 8 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00363522

PROCESS FOR MAKING A DECORATIVE ARTICLE  
PROCEDE POUR FABRIQUER UN ARTICLE DECORATIF

Patent Applicant/Assignee:

SURFACE TECHNOLOGIES INC,  
STECKER William M,

Inventor(s):

STECKER William M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9703847 A1 19970206

Application: WO 96US11967 19960719 (PCT/WO US9611967)

Priority Application: US 95505455 19950721

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK DK

EE EE ES FI FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG

MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK TJ TM TR TT UA UG US UZ

VN KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR

GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 5915

Fulltext Availability:

Detailed Description

Detailed Description

... 35, having first and second laminae 37, 39,  
35 produced by the above process that **simulates** ceramic  
**tiles** surrounded by **grout**. As would be understood by  
those having skill in the art, a plurality of the...

...articles 35 may be installed on walls,  
ceilings, and floors to simulate a continuous ceramic  
**tile** surface. Decorative articles may be produced to  
5 simulate almost any type of surface and...portions in the first lamina  
to create a  
decorative article having first and second laminae  
**simulating** ceramic **tiles** surrounded by **grout**. This was  
done by spraying Seagrave F.921301 omniplet steel grey  
granite simulation materials (Seagrave...

...Binks #7 spray gun,  
and partially filling the voids. The sanded surface  
then leaves a **tile** and recessed grout appearance.  
Example 3

A first lamina was produced as in Example 1...

2/3,K/45 (Item 9 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00297872

TWO-PART CLEANING COMPOSITION COMPRISING AT LEAST ONE PEROXIDE COMPOUND  
COMPOSITION DE NETTOYAGE A DEUX PARTIES COMPRENANT AU MOINS UN COMPOSE DE  
PEROXYDE

Patent Applicant/Assignee:

UNILEVER PLC,

UNILEVER N V,

SMITH Gillian,

SMITH Royston Reginald,

Inventor(s):

SMITH Gillian,

SMITH Royston Reginald,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9516023 A1 19950615

Application: WO 94EP3924 19941125 (PCT/WO EP9403924)

Priority Application: GB 9325046 19931207; GB 946972 19940408; GB 9413098  
19940629; GB 9415908 19940805

Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU

**FLOOR COVERINGS PLENTIFUL, VARIED**

Arizona (AR

) - Saturday, March 18, 2000

By: Danny C. Flanders, Cox News Service

Edition: Final Chaser Section: AZ Home Page: EV8

Word Count: 1,211

... The look: Natural stone is the craze, but at about one-third the cost, ceramic **tile** can provide a similar look. Large **tiles** - 18-by-18s and 12-by-12s - are more popular than smaller ones. In addition to smooth glazed **tiles**, there are ones that **simulate** stone. A variety of **grout** colors also provides different looks.

The strength: In kitchens and baths, ceramic is more practical...

**2/3,K/54 (Item 1 from file: 640)**

DIALOG(R)File 640:San Francisco Chronicle

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10167048

**VINYL FLOORING -- THE PRACTICAL CHOICE**

San Francisco Chronicle (SF) - WEDNESDAY, June 16, 1999

By: Randall Koll

Edition: FINAL Section: HOME Page: 6/Z1

Word Count: 1,492

...floor, the scratch will be barely noticeable.

-- Choices: Pattern choices abound with vinyl. It can **mimic** ceramic **tile** (without the dirt-catching **grout**), sandstone or even wood. Sophisticated designs have been developed to look like luxury flooring such ...

**2/3,K/55 (Item 1 from file: 641)**

DIALOG(R)File 641:Rocky Mountain News

(c) 2003 Scripps Howard News. All rts. reserv.

11575118

**HOME & GARDEN TIPS HAPPY LANDINGS FLOORCLOTHS TAXI INTO HOME DECOR LIKE**

**MAGIC CARPETS**

Rocky Mountain News (RM) - Saturday, March 16, 2002

By: Jane Asper Special to the News

Edition: Final Section: Home Front Page: 9F

Word Count: 733

...will be glad to find yet another use for their favorite stamps. Or cut a **square** stamp from a raw potato and make a mosaic-looking design by stamping the potato in different colors to create a pattern, leaving space between each stamp to **mimic** the **grout** between **tiles**.

Be sure to paint a border around your finished design so the cloth appears framed...

**2/3,K/56 (Item 1 from file: 652)**

DIALOG(R)File 652:US Patents Fulltext

(c) format only 2002 The Dialog Corp. All rts. reserv.

00750304

Utility

# Search Report from Ginger D. Roberts

## C/ Covering module and anchor sheet

Inventor: Pacione, Joseph R., Thornhill, CA  
Assignee: Tac-Fast Georgia, L.L.C. (02), Atlanta, GA  
TAC-FAST Georgia LLC (Code: 53721)  
Examiner: Canfield, Robert (Art Unit: 365)  
Combined Principal Attorneys: Gray, Brian W.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6306477	A	20011023	US 97850726	19970502
CIP	Abandoned			US 96684004	19960719
Priority				US 97850726	19970502
				US 96684004	19960719

Fulltext Word Count: 8845

### Description of the Drawings:

...FIG. 22 shows another arrangement of the modular surface covering representing a decorative pattern with **artificial grout** separating carpet **tiles** .

FIG. 24 shows one way in which the covering **modules** assembled as shown in FIG. 22 may be delivered on site...

...FIG. 25 shows another arrangement of covering **modules** as an alternative to the arrangement shown in FIG. 22.

### Description of the Invention:

As shown in FIG. 13, anchor sheets 89 can be made in smaller **modules** . Decorative covering such as carpet pieces 91, can be, for instance, carpet **tiles** , and if they are laid in overlapping relationship as shown in FIG. 13, a contiguous...

...before assembling the entire surface covering. A form of such units, which we call covering **modules** , is described below

2/3,K/67 (Item 8 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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4581024

Derwent Accession: 1999-430494

### Utility

#### M/ Anchor sheet and anchor sheet module

Inventor: Pacione, Joseph R., Thornhill, CA  
Assignee: Tac-Fast Georgia, L.L.C. (02), Atlanta, GA  
TAC-FAST Georgia LLC (Code: 53721)  
Examiner: Canfield, Robert (Art Unit: 365)  
Combined Principal Attorneys: Gray, Brian W.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6298624	A	20011009	US 988565	19980116
CIP	Abandoned			US 96684004	19960719
CIP	Pending			US 97850726	19970502
Priority				US 988565	19980116
				US 96684004	19960719
				US 97850726	19970502

Fulltext Word Count: 11998

Description of the Drawings:

...FIG. 22 shows another arrangement of the modular surface covering representing a decorative pattern with **artificial grout** separating carpet **tiles** .  
FIG. 24 shows one way in which the covering **modules** assembled as shown in FIG. 22 may be delivered on site...  
...FIG. 25 shows another arrangement of covering **modules** as an alternative to the arrangement shown in FIG. 22...  
...FIG. 26 shows an arrangement of anchor sheet **modules** joined by hooked tape...FIG. 31 shows an anchor sheet **module** .

Description of the Invention:

...floor, the anchor sheet is ready to receive any combination of decorative pieces, either carpet, **tile** , ceramic, wood, etc., which can be installed by hook and loop. An unlimited array of...shown in variations A and B by either permanent or detachable means to create a **module** for overlapping installation as previously described...  
...made of surface covering pieces 184 with inserts 186 may be added or preassembled carpet **modules** such as those shown in FIG. 25 may be used an anchor sheet **module** 219 transported to a site that is to be covered. The anchor sheet **module** 219 can be attached to additional **modules** to form an anchor sheet subfloor for installation of overlaying decorative covering pieces (not shown), such decorative covering pieces having a complimentary loop for detachable attachment to anchor sheet **modules** such as 219. Anchor sheet **module** 219 has an upper layer 223 covered with a plurality of hooks on its upper...  
...for the detachable attachment of an overlapping portion of the upper layer of an adjoining **module** or of an additional piece overlapping the join between the **module** and an adjoining **module** . The lower layer can be provided with a resilient material (not shown in FIG. 31...  
...example in FIGS. 26, 27, 30 or 35. The detachable attachment of the anchor sheet **module** 219 shown in FIG. 31 is by way of hook and loop technology. However, the upper layer 223 and lower layer 225 of the anchor sheet **module** 219 can be joined by any conventional method, either permanently or detachably using adhesive or hook and loop technology. The anchor sheet **modules** can be joined to other anchor **modules** through hook and loop technology or by some other detachable method such as pressure sensitive. When a "finished" anchor sheet is first installed on a floor as a **module** as shown in FIG. 26 or as larger units as shown in for instance FIG...

...Covering **Modules**

2/3,K/68 (Item 9 from file: 654)  
DIALOG(R)File 654:US PAT.FULL.  
(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

4503113 \*\*IMAGE Available  
Derwent Accession: 2001-342664

Utility  
REASSIGNED

C/ Contrasting gloss surface coverings optionally containing dispersed wear-resistant particles and methods of making the same

Inventor: Chen, Hao A., Chadds Ford, PA  
Judd, Richard, Newark, DE



# Search Report from Ginger D. Roberts

Rufus, Isaac B., Newark, DE  
 Shultz, Jeffrey R., Wilmington, DE  
 Assignee: Mannington Mills, Inc. (02), Salem, NJ  
 Mannington Mills Inc (Code: 52058)  
 Examiner: Dixon, Merrick (Art Unit: 174)  
 Law Firm: Kilyk & Bowersox, P.L.L.C.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6228463	A	20010508	US 98124221	19980729
CIP	Pending			US 9814912	19980128
CIP	US 5961903	A	19961005	US 97996701	19971213
CIP	Pending			US 97956022	19971022
Priority				US 98124221	19980729
				US 9814912	19980128
				US 97996701	19971213
				US 97956022	19971022

Fulltext Word Count: 14140

## Description of the Invention:

...the retarder composition is in the shape and form of one or more joint or **grout** lines (not shown) which **simulate**, for instance, the joint lines between two strips of wood forming a surface covering or... the foamable layer, these portions will be chemically embossed and will visually form joint or **grout** lines to **simulate** such lines which exist with natural wood, stone, marble, granite, or brick surfaces. The joint ...

2/3,K/69 (Item 10 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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4471314 \*\*IMAGE Available

Derwent Accession: 2001-243523

## Utility

M/ Engraving apparatus and method

Inventor: Adamson, Darrel M., 918 Plum Tree La., Sarasota, FL, 34243

Assignee: Unassigned

Unassigned Or Assigned To Individual (Code: 68000)

Examiner: Banks, Derris H. (Art Unit: 373)

Assistant Examiner: Wilson, Lee

Combined Principal Attorneys: Kiewit, David

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6199545	A	20010313	US 99294988	19990419
Priority				US 99294988	19990419

Fulltext Word Count: 4478

## Description of the Invention:

...stone surfaces by dyeing a concrete surface and then patterning the surface by cutting swaths, **simulative** of **grout** lines, to a depth greater than that of the dye penetration, as is indicated with...When a brick or **tile** surface is being **simulated** by engraving pseudo- **grout** lines into a concrete surface, it is often desired that swaths be

March 11, 2003 54 17:44

Search Report from Ginger D. Roberts

engraved up to...be understood to those skilled in the art that if one desires to carry a **simulated grout** line up along the vertical wall one could use an angled stencil (not shown) having...patches can be made without having to match dye coloration. In situations where a narrow, **grout** -line **simulative** , swath is cut, the resultant patched hole is nearly invisible...is aligned with respect to the first. For example, if one were to use a **square** aperture, the frame could be translated along orthogonal Cartesian axes so as to cover the worked surface with a **square** array of swaths. In simulating fieldstone paving, however, it has been found to be esthetically...

2/3,K/70 (Item 11 from file: 654)  
DIALOG(R)File 654:US PAT.FULL.  
(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

4404564 \*\*IMAGE Available  
Derwent Accession: 2001-030981

**Utility**

M/ Insulated glass unit window assembly including decorative thermoplastic sheet and method for forming

Inventor: Ridge, Jimmy D., 4822 County Woods La., Greensboro, NC, 27410

Assignee: Unassigned

Unassigned Or Assigned To Individual (Code: 68000)

Examiner: Friedman, Carl D. (Art Unit: 365)

Assistant Examiner: McDermott, Kevin

Law Firm: Myers Bigel Sibley & Sajovec

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6138433	A	20001031	US 99379073	19990823
Priority				US 99379073	19990823

Fulltext Word Count: 5644

Description of the Invention:

...Moreover, the thermoplastic decorative sheet 40 may simulate a plurality of glass blocks connected by **simulated grout** .

...

...assemblies according to the present invention may be formed in any suitable shape (e.g., **square** , rectangular, triangular, circular, oval, etc.). Preferably, as in the case of the illustrated sheet 40

2/3,K/71 (Item 12 from file: 654)  
DIALOG(R)File 654:US PAT.FULL.  
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4377474 \*\*IMAGE Available  
Derwent Accession: 2000-646410  
LitAlert Accession: P2003-01-14; P2000-42-32; P2001-26-12 \*\*See File 670 for Litigation

**Utility**

**REASSIGNED**

C/ Surface coverings having a natural appearance and methods to make a surface covering having a natural appearance; A FLOOR COVERING HAVING A NATURAL WOOD, STONE, MARBLE, GRANITE, OR BRICK APPEARANCE, COMPRISING, A BACKING LAYER, A FOAM LAYER LOACTED ON BACKING LAYER HAVING CHEMICALLY EMBOSSED PORTION, A DESIGN LAYER AND A WEAR LAYER

Inventor: Eby, John M., Pennsville, NJ

Search Report from Ginger D. Roberts

...e., that is not covered by the panels. The exposed flange of the corner joint **simulates** a corner **grout** line, thereby giving the appearance that the entire underlying wall or substrate, including the corner, on which the corner joint and wall boards are mounted is covered with **tiles** embedded in grout.

Description of the Invention:

...simulates a corner grout line. This results in a seamless appearance of the wall board **simulating** a **tile -in- grout** look...

...surface 34 of flange 35, is of a color which matches the color of the **simulated grout** lines 41, 41' of the wall board panels 40, 40'. This color is visually distinctive from the color of the simulated **tiles** 48, 48'. Thus, for example, the **tiles** can be gloss white while the extension joint and **simulated grout** lines of the wall board are flat white; the **tiles** can be blue while the extension joint and **simulated grout** lines are white, etc...the wall board panels 40, 40'. These wall board panels contain top layers 8, 48', **simulate tiles** embedded in **grout**, and backing or bottom layers 49, 49'. The bottom layers 49, 49' are preferably comprised...

...The top layers 48, 48' may be of any known and conventional type which **simulate tiles** 42, 42' embedded in **grout**. The grout lines 41, 41' may be formed by grooves machined or otherwise placed in top surfaces of the top layers 48, 48'. One particularly useful type of **tile** board is disclosed in U.S. application Ser. No. 123,487, filed Nov. 20, 1987...

...corner joint simulating grout line adapted to join together at least two wall board panels **simulating tiles** embedded in **grout** at a corner intersection comprising...

...a flange, including an outer surface which is concave in cross-section and **simulates** a **grout** line, extending from said rib in the direction of said outer edge of said first...

(Main Claim)

2/3,K/85 (Item 26 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

3562509 \*\*IMAGE Available

Derwent Accession: 1995-030209

Utility

C/ Method for producing replicated paving stone; MOLDING AND STAINING A CEMENT MORTAR BLOCK USING A PIGMENTED HYDROPHOBIC RELEASE AGENT; VIBRATING; CURING; ETCHING; SEALING

Inventor: Lowe, Michael, 2634 Firestone Dr., Clearwater, Pinellas County, FL, 34621

Assignee: Unassigned

Unassigned Or Assigned To Individual (Code: 68000)

Examiner: Aftergut, Karen (Art Unit: 137)

Combined Principal Attorneys: Fisher, III, Arthur W.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5372676	A	19941213	US 94231028	19940422
Continuation	Abandoned			US 91700623	19910515
CIP	Abandoned			US 9384081	19930628
Priority				US 94231028	19940422
				US 9384081	19930628

Fulltext Word Count: 2982

## Summary of the Invention:

- ...replicated paving stone comprising a shaded and stratified layered upper surface including a plurality of **simulated grout** lines formed therein...
- ...mortar or material including a shaded and stratified layered upper surface having a plurality of **simulated grout** lines formed therein. The shaded and stratified layered upper surface and **simulated grout** lines are sealed to protect the replicated paving stone from the environment...
- ...to cure to form the base including the stratified layered upper surface and plurality of **simulated grout** lines, releasing the base including the stratified layered upper surface and plurality of **simulated grout** lines from the flexible block forming mold, applying an acid stain to the stratified layered...
- ...washing the shaded and stratified layered upper surface with an acid, accenting the plurality of **simulated grout** lines with a pigment and sealing the replicated paving stone with an acrylic polymer sealer...
- ...The **simulated grout** lines are accented with an antiquing or iron oxide pigment with a brush or other...
- ...Finally, the shaded and stratified layered upper surface and **simulated grout** lines are coated with a sealer with a brush or roller to protect the replicated...

2/3,K/86 (Item 27 from file: 654)

DIALOG(R) File 654:US PAT.FULL.

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3513886 \*\*IMAGE Available

Derwent Accession: 1994-225251

## Utility

## C/ Replicated stone surface

Inventor: Lowe, Michael, 2634 Firestone Dr., Pinellas County, Clearwater, FL, 34621

Assignee: Unassigned

Unassigned Or Assigned To Individual (Code: 68000)

Examiner: Epstein, Henry F. (Art Unit: 158)

Combined Principal Attorneys: Fisher, III, A. W.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5328730	A	19940712	US 92938203	19920901
Division	US 5167991	A		US 91699207	19910513
Priority				US 92938203	19920901
				US 91699207	19910513

Fulltext Word Count: 2884

## Summary of the Invention:

- ...adhered to a substrate such as concrete slab or wall structure including a plurality of **simulated** stones g and **simulated** intervening **grout** lines sealed with an acrylic polymer sealer to protect the

Search Report from Ginger D. Roberts

replicated stone surface from the...

...polymer mortar to form the plurality of simulated stones with raised peripheral edges and intervening **simulated grout** lines, allowing the polymer mortar to cure, applying a pigment to the surface of the plurality of **simulated** stones and **simulated** intervening **grout** lines, buffing the surface of the plurality of **simulated** stones and **simulated** intervening **grout** lines to impregnate the pores thereof with the pigment, abrading the surface of the plurality...

...stones to create a weathered appearance and sealing the upper surface of the plurality of **simulated** stones and **simulated** intervening **grout** lines with the acrylic polymer sealer to protect the replicated stone surface...

...tool used to form the plurality of simulated stones with raised peripheral edges and intervening **simulated grout** lines by displacing portions of the polymer mortar. The polymer mortar is then allowed to...  
...An antiquing pigment is applied to the upper surface of the plurality of **simulated** stones and **simulated** intervening **grout** lines and buffed to impregnate the pores thereof with the antiquing pigment...

...are abraded to create a natural, weathered appearance. The upper surface of the plurality of **simulated** stones and **simulated** intervening **grout** lines are coated by applying the clear acrylic polymer water resistant sealer to protect the...

2/3,K/87 (Item 28 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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3441208 \*\*IMAGE Available

Derwent Accession: 1993-385102

Utility

M/ **Extension joint simulating grout like for tile board**

Inventor: Koenig, Paul J., Lapeer, MI

Hutchings, Douglas F., Lapeer, MI

Gibbard, David W., Lapeer, MI

Manwell, Richard C., Millington, MI

Assignee: Trayco, Inc. (02), Lapeer, MI

Trayco Inc (Code: 05923)

Examiner: Friedman, Carl D. (Art Unit: 354)

Assistant Examiner: Canfield, Robert J.

Combined Principal Attorneys: Kapustij, Myron B.; Sutherland, Malcolm L.

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 5263294	A	19931123	US 91742978	19910809
Priority				US 91742978	19910809

Fulltext Word Count: 2648

**Extension joint simulating grout like for tile board**

Abstract:

An extension joint for use with wall boards **simulating** tiles embedded in **grout**. The extension joint is disposed between two adjoining wall board panels and **simulates** a **grout** line. The wall joint comprises a long narrow strip of material having two spaced apart

...

Search Report from Ginger D. Roberts

roll of urethane having provide a high gloss and texture very similar to that of real ceramic **tile** , the top coat 34 is applied over the dry printing inks 32 and the ground...

1. A simulated ceramic **tile** panel comprising, a pressed panel having a density of at least about 50 pounds per...

...the nominal thickness of said panel, grooves in said embossed area in said decorative face **simulating grout** lines between adjacent **tile** portions of said decorative face, a ground coat of resin on said decorative face and...

...said second color differing from said first color and said ink not coloring and not **simulating grout** lines between adjacent **tile** portions of said decorative face; and at least one top coat of a continuous film...

(Main Claim)

...extending laterally across said decorative face and being longitudinally spaced apart such that said grooves **simulate grout** lines between adjacent **tiles** .

...

...thickness of the pressed panel, forming grooves in said embossed area of said decorative face **simulating grout** lines between adjacent **tile** portions of said decorative face, after embossing applying a liquid ground coat of a resin

2/3,K/102 (Item 43 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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2533030 \*\*IMAGE Available

Derwent Accession: 1984-048572

Utility

EXPIRED

M/ Device for cutting vinyl sheet flooring

Inventor: Glavic, Joseph J., 3247 Potomac Dr., Brunswick, OH, 44212

Assignee: Unassigned

UNASSIGNED OR ASSIGNED TO INDIVIDUAL (Code: 68000)

Examiner: Peters, Jimmy C. (Art Unit: 324)

Combined Principal Attorneys: Lobo, Alfred D.

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 4429461	A	19840207	US 82380086	19820520
Priority				US 82380086	19820520

Fulltext Word Count: 3991

Summary of the Invention:

...More specifically, I refer to linoleum roll stock with **simulated grouted tile** patterns which stock is normally available in rolls either 6 feet wide or 12 feet...

...roll stock to which this invention applies closely duplicates the visual impact of (a) ceramic **tile** floors in which individual **tiles** are separated by a cementitious material ("grouting"), or (b) brick or stone floors in which individual bricks or stones are separated by grouting. As is well known, ceramic **tile** floors are extremely durable and have a

Search Report from Ginger D. Roberts

timeless beauty peculiar to such floors in which **tiles** are manually set and grouted in substantially uniform relationship with each other. It is this...

...which, because it is not perfectly uniform imparts the characteristic "look" of a manually laid **tile** floor...

...has been addressed to the specific problem of satisfactorily matching longitudinal grouting patterns in grouted- **tile** -pattern roll stock... pressing need for a simple and inexpensive implement which will facilitate the laying of grouted- **tile** -pattern linoleum roll stock because the implement is efficient, easy to use quickly, and accurate...

...no prior art device which permits a flooring man to lay a floor with grouted- **tile** -pattern linoleum roll stock as simply, effectively and easily as the device of my invention...

...has been discovered that the problem of matching first and second roll-portions of grouted- **tile** -pattern linoleum roll stock along the longitudinal edges thereof, so as to maintain the overall repeating grouted- **tile** pattern without showing the joint, stems for the most part from (a) an inability to visually align a boundary of a linearly continuous **simulated grouting** before cutting through it to match another boundary, as is the case with overlapping edges...

...It is therefore a general object of this invention to provide an implement for grouted- **tile** -pattern linoleum roll stock which implement comprises a combined visual gauge and guide laminar member...

...specific object of this invention is to provide a remarkably simple implement for cutting grouted- **tiled** -pattern linoleum roll stock along a longitudinally continuous grout line with a manually operable blade...

Description of the Invention:

...edge of linoleum stock has embossed or otherwise imprinted on its surface, a linearly continuous **simulated grouting** ("**grouting**" for brevity) indicated by reference numeral 11, which grouting is too wide to be abutted...

...where the cut is to be made, and how well the desired portions of the **tile** pattern are matched, before the cut is made. For the best joint "fit" it is...which marginal portion has a width corresponding to the minimum thickness of grouting in the **tile** pattern, as mentioned hereinabove...

...reference marks which correspond to the widths of grouting usually and commonly provided in grouted- **tile** -pattern linoleum roll stock. To observe the reference inner boundary of a salvage edge effectively...

1. An implement for cutting grouted- **tile** -pattern vinyl sheet floor covering ("linoleum roll stock") longitudinally along a line in linearly continuous **simulated grouting** in the linoleum's surface, said implement comprising...

...said marginal portion having a thickness corresponding to the minimum width of grouting in said **tile** -pattern of a first roll-portion of said linoleum roll stock, so as to enable...

...to maintain a predetermined uniform width of said continuous grouting and match the overall grouted- **tile** -pattern without showing the joint. (Main Claim)

...spaced apart apertures on the surface of said first roll-portion along a continuous longitudinal **simulated grouting** therein, said member

Search Report from Ginger D. Roberts

being laminar, elongated and generally rectangular...

2/3,K/103 (Item 44 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

2406776 \*\*IMAGE Available

Derwent Accession: 1982-B8281E

**Utility**

C/ Wood brick; CUTTING AT AN ANGLE TO GRAIN

Inventor: Moore, Luther L., 1862 Helena Ave., Reno, NV, 89512

Assignee: Unassigned

UNASSIGNED OR ASSIGNED TO INDIVIDUAL (Code: 68000)

Examiner: Thibodeau, Paul J. (Art Unit: 164)

Combined Principal Attorneys: Schulze, Herbert C.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4313775	A	19820202	US 79105508	19791220
Priority				US 79105508	19791220

Fulltext Word Count: 2741

**Description of the Invention:**

...FIG. 5 shows a typical wood **tile** of the type employed in the examples of FIGS. 1 through 4. As a rule, the **tile** is produced from conventional rough cuts of lumber. In the example, FIG. 5, the **tile** preferably would be approximately 77/8 inches in length, 13/4 inches in height and...

...The wood **tile** 20 preferably would retain roughened bottom edges 32, sides 33 and 34, and top edge...

...layer 26 of Polyester or a like substance in order to seal the wood brick **simulating** elements and **grout** or mortar from moisture and to enhance the wood grain appearance...FIG. 13, any number of configurations of lumber shapes can be used such as wood **squares** 66, wood circles 68 or wood diamonds 70. These shapes can be applied to panels...

2/3,K/104 (Item 45 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

2295790 \*\*IMAGE Available

Derwent Accession: 1979-49421B

**Utility**

REASSIGNED

C/ Register emboss and method; FLOOR TILES AND WALL COVERINGS

Inventor: Regan, Ernest E., Fort Lauderdale, FL

McCann, Thomas J., Hollywood, FL

Assignee: Dowdfloor Corporation (02), Miami, FL

DOWDFLOOR CORP (Code: 02356)

Examiner: Thibodeau, Paul (Art Unit: 164)

Combined Principal Attorneys: Dominik, Jack E.

	Publication Number	Kind	Date	Application Number	Filing Date



Search Report from Ginger D. Roberts

Main Patent US 4210693 A 19800701 US 77862627 19771220  
Priority US 77862627 19771220

Disclaimer Date: 19950711

Fulltext Word Count: 8291

Summary of the Invention:

...two-tone gloss effects by, for instance, printing a low gloss actinic radiation coating to **simulate** a **grouting** while printing a high gloss in the land areas to simulate a high gloss **tile**. It is still another object of the invention to apply pigmented actinic radiation curable coatings...

...applying a thinner layer of said curable coating to **grout simulated** printed patterns and...

...applying a thicker layer of said curable coating to **tile simulated** printed areas...

2/3,K/105 (Item 46 from file: 654)

DIALOG(R) File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

2205755 \*\*IMAGE Available

Derwent Accession: 1978-87779A

Utility

REASSIGNED

C/ **Resinous polymer sheet materials having selective, decorative effects**

Inventor: Kaminski, Stanley J., Trenton, NJ

Assignee: Congoleum Corporation (02), Kearny, NJ

CONGOLEUM CORP (Code: 19526)

Examiner: Silverman, Stanley S. (Art Unit: 164)

Combined Principal Attorneys: Laughlin, Richard T.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4126727	A	19781121	US 76696594	19760616
Priority				US 76696594	19760616

Fulltext Word Count: 8332

Summary of the Invention:

...For example, if a simulated brick or ceramic **tile** and surrounding mortar or grout pattern or design were to be involved, and it was desired that the simulated brick or ceramic **tile** be raised or elevated above the adjacent, surrounding lower or depressed **simulated** mortar or **grout**, and that only the **simulated** brick or the ceramic **tile** possess the eye-catching decorative appearance, it was equally desired that the adjacent, surrounding depressed or lower **simulated** mortar or **grout** not possess an eye-catching, decorative appearance but that it merely have the typical dull...

...course, would provide for a more desirable contrasting appearance between the simulated brick or ceramic **tile** and the surrounding **simulated** mortar or **grout**.

Description of the Invention:

...surfaces or lands, thus leaving the surrounding adjacent lower areas

Search Report from Ginger D. Roberts

or mortars in an excellent **simulation** of cement, **grout** , or other cementitious material...represent the simulated ceramic tile and the white colored printed portions represent the mortar or **grout** between the **simulated** ceramic **tiles** .

...colored simulated ceramic tile portions but are not discernible or visible in the white colored **simulated** mortar or **grout** portions, as viewed from eye-level or a distance of about five feet...

...I, except that the multi-colored, nacreous effect is more pronounced in the simulated ceramic **tile** portions located over the black colored printed portions...

2/3,K/106 (Item 47 from file: 654)  
DIALOG(R)File 654:US PAT.FULL.  
(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

2174916 \*\*IMAGE Available  
Derwent Accession: 1978-H0379A

**Utility**

M/ **Tiled enclosure, and method to make same**  
Inventor: Contardi, John G., 3612 Parker, Dearborn, MI, 48121  
Assignee: Unassigned  
UNASSIGNED OR ASSIGNED TO INDIVIDUAL (Code: 68000)  
Examiner: Purser, Ernest R. (Art Unit: 354)  
Assistant Examiner: Friedman, Carl D.  
Combined Principal Attorneys: Murray, Allan J.

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 4098038	A	19780704	US 76752532	19761220
Priority				US 76752532	19761220

Fulltext Word Count: 1459

**Description of the Invention:**

...As seen in FIG. 2, sheets 20 of multiple, conjoined **tiles** are utilized. Each **tile** is joined to adjacent **tiles** by a flexible web of rubber, or plastic, extending the full length of the edge of each said **tile** . For illustrative purposes the sheets of **tile** are shown as having sixteen individual **tiles** 21, each joined to the other. FIG. 5 shows that each of the four peripheral edge surfaces of each **tile** is formed with a protuberance or lug 19, which in effect spaces each **tile** approximately 1/16 of an inch from the adjacent **tile** to which the webbing material, which **simulates** **grout** , attached it. Therefore, with the individual **tiles** aligned, each sheet of sixteen **tiles** will be peripherally spaced by about 1/16 of an inch from the adjacent sheet of **tile** . Once the structure is assembled, as hereinafter described, this spacing will afford the application of...

...The **tiles** are formed with a finished, or a glazed side, 22, and a rough, unfinished, or...

...that in employing the form in a vertical position, the necessary number of sheets of **tile** will be placed in a bottom row, or course, and banded by support horizontally elongated, vertically spaced strips or bands 24, to resist dislodgment of the sheets of **tile** during the subsequent steps of assembly of the device...

...When the uppermost row or course of sheets 20 of **tile** have been applied, and secured in position by banding, then strips 25 of a

Search Report from Ginger D. Roberts

powerfully...

...cold air) are employed to conjoin the adjacent, marginal edge portions of the sheets of **tile**, both vertically and horizontally. Further strips 26 of this adhesive tape are applied at the...

...With the sheets 20 of **tile** in position, and secured by supporting bands 24, adhesive tape 25, and reinforced by the...

2/3,K/107 (Item 48 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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2166305

Derwent Accession: 1978-49649A

Utility

C/ Embossed plastic surface covering and method of preparing same;  
POLYMERIZATION OF ACRYLIC MONOMER ON VINYL CHLORIDE RESIN SHEET IN PRESENCE  
OF BLOWING AGENT AND CATALYST

Inventor: Crowley, Richard P., Suite 24H, 65 East India Row, Boston, MA,  
02110

Assignee: Unassigned

UNASSIGNED OR ASSIGNED TO INDIVIDUAL (Code: 68000)

Examiner: Powell, William A. (Art Unit: 161)

Combined Principal Attorneys: Crowley, Richard P.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4090007	A	19780516	US 74527265	19741126
Continuation	Abandoned			US 7028052	19700413
CIP	US 3857915	A		US 72228396	19720222
CIP	US 3519527	A		US 66566810	19660721
CIP	US 3453171	A		US 66541100	19660408
Priority				US 74527265	19741126
				US 72228396	19720222
				US 7028052	19700413
				US 66566810	19660721
				US 66541100	19660408

Disclaimer Date: 19911224

Fulltext Word Count: 4109

Summary of the Invention:

...present throughout the entire plasticized vinyl chloride resin sheet. Typically, in the preparation of floor **tile**, only a minor portion of the **tile** is desired to have an embossed surface, such as the **grout** lines in an **artificial** stone pattern; that is, a depressed area, for example, 5 to 30%. Consequently, a major...creating the chemically embossed product. Such product is particularly adapted for use as a floor **tile** product, while when placed on a woven, knitted or stretchable fabric base may be employed...

2/3,K/108 (Item 1 from file: 704)

DIALOG(R)File 704:(Portland)The Oregonian

(c) 2003 The Oregonian. All rts. reserv.

09268353

CONCRETE IDEA

March 11, 2003 97 17:44

Oregonian (PO) - Thursday, September 25, 1997

By: SONYA ZALUBOWSKI

Edition: SUNRISE Section: HOMES & GARDENS OF THE NORTHWEST Page: 25

Word Count: 668

TEXT:

...sprayer.

Create the base by mixing a five-gallon container of powder, enough for 100 **square** feet, with a liquid acrylic activator. The base coat will be the **simulated grout**, so choose a color accordingly.

2. Spread the base

When the mixture is the consistency...

2/3,K/109 (Item 2 from file: 704)

DIALOG(R)File 704:(Portland)The Oregonian

(c) 2003 The Oregonian. All rts. reserv.

05141116

VINYL COVERS THE SUBJECT, WHEN IT COMES TO FLOORING

OREGONIAN (PO) - SUNDAY May 21, 1989

By: JOHN WARDE - New York Times News Service

Edition: FOURTH Section: Real Estate Page: H08

Word Count: 847

... the sheets are patterned, choose an inconspicuous location for the cut, such as along a **grout** line if the flooring **simulates tile**.

Remove the waste strips of material, then roll each piece of flooring back onto itself...

2/3,K/110 (Item 1 from file: 727)

DIALOG(R)File 727:Canadian Newspapers

(c) 2003 Southam Inc. All rts. reserv.

06517392 (USE FORMAT 7 FOR FULLTEXT)

Knowledge is key to good results when installing ceramic tiles

By Steven Maxwell

Toronto Star, P K16

May 30, 1998

DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

SECTION HEADING: NEW IN HOMES

Word Count: 872

...t be purchased off the shelf is a keen eye for regulating the all-important **grout** spaces between neighbouring **tiles**. You can **simulate** this skill with reusable plastic **tile** spacers placed temporarily between **tiles** during installation.

This way you'll get the spacers for free and can adjust their...

2/3,K/111 (Item 1 from file: 757)

DIALOG(R)File 757:Mirror Publications/Independent Newspapers

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00323280 714907654 (USE FORMAT 7 FOR FULLTEXT)

Search Report from Ginger D. Roberts

Rent a new look

Daily Record, p36,37

Saturday, June 9, 2001

JOURNAL CODE: MDR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSPAPER

WORD COUNT: 901

...the window recess, then  
measured and marked the tile design from this line.

A standard **tile** is 6" x 6", but you can make your **squares** any size  
that suits. To **fake** the **grout** lines, Anna used a narrow masking tape,  
19cm  
wide and also ran a line of tape vertically down the outer edge of the  
**squares** , to give a clean dividing line between the border and the wall.

Before painting the...

2/3,K/112 (Item 1 from file: 763)

DIALOG(R)File 763:Freedonia Market Res.

(c) 2003 Freedonia Group Inc. All rts. reserv.

00163968

COMPANY PROFILES: Toli Corporation

Main Title: HARD SURFACE FLOORING TO 2002

Pub. Date: JANUARY 1999

Source: THE FREEDONIA GROUP, INC.

Telephone: (440) 684-9600

Word Count: 501 (1 pp.)

Language: English

Country: UNITED STATES

Industry: PLASTICS, BUILDING AND CONSTRUCTION, HOUSEHOLD PRODUCTS

Company Names (DIALOG Generated): Toli Corporation ; Toli International

...million. The  
Company employs 1,130.

Vinyl floor coverings, including sheet vinyl and vinyl floor **tiles**  
,  
accounted for approximately \$285 million of Toli's FY 1998 sales. In  
the US, the Company operates through Toli International, a manufacturer  
of a wide variety of vinyl **tiles** , sheets, accessories and  
specialty  
products for upscale commercial and residential flooring applications.

The company's **tile** products are sold under the HI-TEC, LIGHTSTONE  
and  
LIGHTWOOD brand names. **Tiles** can be enhanced with Toli's  
divider  
strips, which are designed to be used between **tiles** or planks  
to  
**simulate** a colored **grout** joint or metal divider. HI-TEC  
**tile** is  
designed to imitate natural materials which are found in outdoor  
environments such as granite, pebbles, wood, cobblestone, porcelain,  
sand and cedar. The LIGHTSTONE line of **tile** offers the  
company's  
largest variety of styles. LIGHTSTONE products feature a speckled

Search Report from Ginger D. Roberts

appearance designed high-definition photo lamination process and features a woodgrain-embossed surface. This tile is available in a variety of styles, shapes and sizes, including square and parquet, as well as in three-, four- and six-inch planks.

Toli's vinyl...

...more than 25 colors.

Products launched by Toli in the late 1990s included LINOTESTA PVC tile and LINOTEC PVC sheet vinyl floor coverings and MEDALLION tile. LINOTESTA is a stone-like linoleum available in a range of colors. This tile is designed for extended wear and to have better indentation and stain resistance than standard PVC tile. LINOTEC is a laminated material that combines silk screen design with enhanced photographic imaging to...

...In addition, LINOTEC has a fiberglass interlayer for dimensional stability and is stain resistant. MEDALLION tile collection, which can be used to create custom floor designs, consists of five standard patterns...

...29 LIGHTSTONE colorways. Toli offers a full line of accessory products designed for both its tile and sheet vinyl flooring. Accessories include adhesives

2/3,K/113 (Item 2 from file: 763)  
DIALOG(R)File 763:Freedonia Market Res.  
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00125720

**PRIVATE COMPANY PROFILES: Toli International (Chugai Boyeki)**

Main Title: PRIVATE COMPANIES IN THE FLOORING INDUSTRY (1997)  
Pub. Date: MAY 1997  
Source: THE FREEDONIA GROUP, INC.  
Telephone: (216) 921-6800  
Word Count: 382 (1 pp.)  
Language: English

Country: UNITED STATES  
Industry: BUILDING AND CONSTRUCTION, HOUSEHOLD PRODUCTS  
Company Names (DIALOG Generated): Chugai Boyeki Company ; Key Products ;  
Primary Line ; Toli International

...516-864-8151

Primary Line of Business: miscellaneous hard surface floor coverings  
Key Products: vinyl tile and sheet flooring and accessories  
Census Code SIC(s): 3996  
Toli International, a wholly-owned subsidiary of Chugai Boyeki Company

Search Report from Ginger D. Roberts

(Japan), manufactures a wide variety of vinyl tiles , sheets, accessories and specialty products for flooring applications. Toli products are designed for upscale commercial and residential interiors.

Tile products are sold by the Company under the HI-TEC, ROYAL GRANITE, LIGHTSTONE and LIGHTWOOD names. HI-TEC tile is designed to imitate natural products which are found in outdoor environments. such as ...

...floor, is designed to emulate the high gloss finish of a genuine granite floor. LIGHTSTONE tile offers the Company's largest variety of styles. LIGHTSTONE features a speckled look designed to...

...is manufactured using a high-definition photo lamination process and features a woodgrain-embossed surface. Tiles can be enhanced with Toli divider strips. These strips are designed to be used between tiles or planks to simulate a colored grout joint or metal divider.

In addition to tiles , Toli offers a full line of vinyl sheet flooring, including ...traffic areas.

Toli also offers a full line of accessory products designed for both its tile and sheet vinyl flooring. Accessories include adhesives, stripping, polishing and cleaning products.

...

2/3,K/114 (Item 3 from file: 763)  
DIALOG(R)File.763:Freedonia Market Res.  
(c) 2003 Freedonia Group Inc. All rts. reserv.

00110622

COMPANY PROFILES: Masco Corporation (Alsons) (American Shower & Bath) -  
Part 3 of 3

Main Title: DIY HOME PRODUCTS TO 2000  
Pub. Date: AUGUST 1996  
Source: THE FREEDONIA GROUP, INC.  
Telephone: (216) 921-6800  
Word Count: 451 (1 pp.)  
Language: English

Country: UNITED STATES  
Industry: BUILDING AND CONSTRUCTION  
Company Names (DIALOG Generated): Alsons Corporation ; Brass Craft ; Masco ; Watkins

...wall surround unit made from co-extruded polyvinyl chloride (PVC). This product has engraved white grout lines which simulate the

March 11, 2003 101 17:44

Search Report from Ginger D. Roberts

appearance of ceramic **tile** .

Spas and hot tubs are sold by Masco's Watkins subsidiary under the HOT SPRING...

2/3,K/115 (Item 4 from file: 763)  
DIALOG(R)File 763:Freedonia Market Res.  
(c) 2003 Freedonia Group Inc. All rts. reserv.

00110534

**DIY HOME PRODUCTS: Kitchen & Bath Products - Plumbing Fixtures**

Main Title: DIY HOME PRODUCTS TO 2000  
Pub. Date: AUGUST 1996  
Source: THE FREEDONIA GROUP, INC.  
Telephone: (216) 921-6800  
Word Count: 532 (1 pp.)  
Language: English

Country: UNITED STATES  
Industry: BUILDING AND CONSTRUCTION  
Company Names (DIALOG Generated): American Standard ; Kohler ; Masco

...a wall  
surround unit, made from co-extruded polyvinyl chloride (PVC), which has  
engraved white **grout** lines to **simulate** the appearance of ceramic  
**tile** ,  
but is much easier and less time consuming for homeowners to install.  
Growth will also...

2/3,K/116 (Item 5 from file: 763)  
DIALOG(R)File 763:Freedonia Market Res.  
(c) 2003 Freedonia Group Inc. All rts. reserv.

00106582

**COMPANY PROFILES: Masco Corporation - American Shower & Bath/Aqua Glass**

Main Title: PLUMBING PRODUCTS & MATERIALS TO 2000  
Pub. Date: JUNE 1996  
Source: THE FREEDONIA GROUP, INC.  
Telephone: (216) 921-6800  
Word Count: 930 (2 pp.)  
Language: English

Country: UNITED STATES  
Industry: INDUSTRIAL AND MANUFACTURING, BUILDING AND CONSTRUCTION  
Company Names (DIALOG Generated): American Shower & Bath ; Aqua Glass ;  
Brass Craft ; Masco

...include built-in, corner-entry and neo-angle styles. Built-in bases are  
designed for **tile** or molded shower walls. In 1995, the company  
introduced a base extender which elevates shower...

...can adapt for whirlpool, steam shower  
or whirlpool/steam combination use. The DURATILE series includes  
**simulated grout** lines on hand-sprayed gel coat to create a  
bas-relief  
effect of **tile** . Modular bath and shower units include two and three  
piece designs. AQUA GLASS luxury baths...



2/3,K/117 (Item 6 from file: 763)  
DIALOG(R)File 763:Freedonia Market Res.  
(c) 2003 Freedonia Group Inc. All rts. reserv.

00026472

**Company Profiles: Onoda Cement Company Limited**

Main Title: GYPSUM PRODUCTS AND MARKETS

Pub. Date: MAY 1992

Source: THE FREEDONIA GROUP, INC.

Telephone: (216) 921-6800

Word Count: 206 (1 pp.)

Language: English

Country: UNITED STATES

Industry: BUILDING AND CONSTRUCTION

Company Names (DIALOG Generated): Building Materials ; Cement Products ;  
Civil & Architectural Engineering ; Limestone & Related  
Products ; Onoda Cement Company

...Building Materials division's gypsum  
plasterboard. The Building Materials division also manufactures  
lightweight concrete, ceramic **artificial** wood, **grout** and **tile** ,  
shotcrete  
and other materials used in the construction industry.

The Limestone & Related Products division produces...

2/3,K/118 (Item 1 from file: 766)  
DIALOG(R)File 766:(R)Kalorama Info Market Res.  
(c) 2000 Kalorama Info Inc. All rts. reserv.

00149151

**THE PRODUCTS: Major Product Categories: Finishing Materials: Architectural Coverings**

Main Title: Home Improvement Market (1997)

Pub. Date: August, 1997

Source: Packaged Facts

Telephone: US (800) 346-3787; Other (212) 807-2657

Word Count: 859 (2 pp.)

Language: English

Country: UNITED STATES

Industry: BUILDING AND CONSTRUCTION

...types of architectural coverings are  
resilient floor coverings, carpeting, hardwood flooring, ceramic floor  
and wall **tiles** , wallpaper, ceiling **tiles** , and moldings.

-- Resilient floor coverings are made of vinyl and include vinyl  
floor **tiles** as well as sheets, which are usually sold 12 wide  
and to almost any length...

...is wider  
than strip flooring and can be secured with screws. Parquet  
flooring comes in **squares** . These wood **tiles** usually fit

together to make geometrical designs. Hardwood floors are widely viewed as upscale and are replacing carpeting for many consumers in living, dining, and family rooms.

-- Ceramic **tile** , a durable product made of clay fired at high temperatures, has traditionally been used for...

...sun rooms. They come in three grades--standard, seconds, and decorative (this last a thin **tile** used only on walls)--and a wide range of colors, designs, shapes, and prices. Common types are: mosaic (one or two-inch **square tiles** , secured to a mesh, used primarily on floors); quarry **tiles** (up to 1 **square** , with a dull finish, often used outdoors); pavers (unglazed rectangular **tiles** with a rough surface, used on floors); patio **tiles** (thick and irregular, used outside); sculptured **tiles** (with decoration in low relief); standard **tiles** (the common wall **tiles** , 4 1/4 **square** with a glazed surface); and pregrouted **tiles** (standard **tiles** joined with a flexible material that **simulates grout** ).

-- Wallpaper, as most people still call it, now refers to wallcoverings made of a variety of materials including vinyl, grasscloth, and burlap. Most wallpapers or wallcoverings contain 36 **square** feet per roll. They come in a number of different widths, the most common being...

...exasperating task, an estimated 70% of wallcovering jobs are done by do-it-yourselfers.

-- Ceiling **Tiles** , often called acoustical **tiles** because they absorb sound within a room, have long been a staple of commercial buildings, and seem to be becoming popular in homes. Most home **tile** ceilings are made of inexpensive, plain white **tiles** , but decorative **tiles** are becoming more common as the **tiles** migrate from the basement (where they have traditionally been used to disguise unfinished ceilings) to kitchens, bedrooms, and family rooms.

Standard 12 12 ceiling **tile** is made of a blend of cellulose, clay, starch, and vermiculite. Ceiling **tiles** can also be bought in larger sizes, ranging up to several feet in width and...

2/3,K/119 (Item 1 from file: 781)  
DIALOG(R)File 781:ProQuest Newsstand  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

10199521 LANC10113341 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
WEEKEND PROJECTS; Ceramists continue century-old traditions; Lancaster Theological Seminary is a nearby site for Mercer's handmade ceramic tile  
Roxanne McRoberts  
Intelligencer Journal Lancaster, PA, P D-1  
Saturday, April 20, 2002  
DOCUMENT TYPE: Newspaper, Small LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT SECTION HEADING: LIFESTYLE; FASHION/STYLE/LIVING  
Word Count: 1,466

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...modeled relief tiles and flat mosaics, Zayas said.

Search Report from Ginger D. Roberts

The flat mosaic designs from the Moravian **Tile** and Pottery Works are made from cut pieces of ceramic **tile** to fit into specific designs. The mosaics are based on stained glass, and the dark **grouting** is used to **simulate** leading, Zayas said. **Tiles** designed for the floor are made from solid-colored clay and are intended ...be walked on and worn down. Because the color is homogeneous, the color of the **tile** doesn't change over time.

NO COMPARISON

Continuing in the spirit of Mercer's craftsmanship...

2/3,K/120 (Item 2 from file: 781)  
DIALOG(R)File 781:ProQuest Newsstand  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

08916477 SDRC20010609020BA7FF (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Rent a new look Don't be put off a change of decor because you don't own a flat**  
Scottish Daily Record, Streets ED, P 36 37  
Saturday, June 9, 2001  
DOCUMENT TYPE: Newspaper, Large LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT SECTION HEADING: FEATURES  
Word Count: 881

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...the window recess,  
then measured and marked the tile design from this line.

A standard **tile** is 6" x 6", but you can make your **squares** any size that suits. To **fake** the **grout** lines, Anna used a narrow masking tape, 19cm wide and also ran a line of tape vertically down the outer edge of the **squares**, to give a clean dividing line between the border and the wall.

Before painting the tile...

2/3,K/121 (Item 3 from file: 781)  
DIALOG(R)File 781:ProQuest Newsstand  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

08523915 CLBN218299 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**CREATIVE COMBINATIONS**  
Kristine White, For The Columbian  
Columbian, P 13  
Wednesday, September 1, 1999  
DOCUMENT TYPE: Newspaper, Medium LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT SECTION HEADING: SPECIAL SECTION  
Word Count: 1,406

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...1999"  
list in Today's Homeowner. The magazine said the product "really passes for ceramic **tile** ; even the **simulated grout** inspires a double take."

Today's Homeowner said laminate flooring now accounts for 18 percent...

2/3,K/122 (Item 4 from file: 781)

DIALOG(R)File 781:ProQuest Newsstand

(c) 2003 ProQuest Info&Learning. All rts. reserv.

05294839 SDRC121085 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Go ahead, Derek mosaic my day; Jazzing up your furniture or adding a

Grecian touch to walls isn't as difficultas it sounds ... in fact it's a  
snip with paper and scissors

Nan Ensor

Scottish Daily Record

Saturday, June 19, 1999

DOCUMENT TYPE: Newspaper, Large LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT

Word Count: 1,589

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...shapes

on a piece of paper, colour in with paint or crayons, remembering to  
leave **fake grout** spaces, then have this sheet colour photocopied.

1. Once you have enough paper to cover...

2/3,K/123 (Item 5 from file: 781)

DIALOG(R)File 781:ProQuest Newsstand

(c) 2003 ProQuest Info&Learning. All rts. reserv.

04082458 SDRC83432 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Kitsch pickings**

Scottish Daily Record

Saturday, October 10, 1998

DOCUMENT TYPE: Newspaper, Large LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT

Word Count: 1,160

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...back and apply the top coat.

"And the finished result is pretty impressive. The painted **tiles**  
have a great gloss finish - but it pays to invest in a good paint  
brush...

...that you don't end up with  
obvious brush marks. And, instead of trying to **grouton** top of all  
your paintwork, just **fake** it, using a thin artist's brush and some  
white gloss."

Having given the wall...

?

t6/4/all

6/4/1 (Item 1 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2003 Thomson Derwent. All rts. reserv.

AA- 1989-086333/198912|  
 XR- <XRAM> C89-038274|  
 XR- <XRPX> N89-065783|  
 TI- Centrifugal smoothing device - has polyamide revolving bristles, to  
 smooth internal **grout lining** of mains|  
 PA- VEB SPEZIAL WASSERB (SPEZ-N)|  
 AU- <INVENTORS> BECK H; GATZEMANN P; HAHN W; MUNCH H; VOIGHT E|  
 NC- 001|  
 NP- 001|  
 PN- DD 261330 A 19881026 DD 303231 A 19870528 198912 B|  
 AN- <LOCAL> DD 303231 A 19870528|  
 AN- <PR> DD 303231 A 19870528|  
 FD- DD 261330 A |  
 LA- DD 261330(3)|  
 AB- <BASIC> DD 261330 A

The inside wall of large mains is lined with a cement mortar layer  
 by centrifugal action from a revolving guniting head. This head also  
 includes a carrier with a rotational symmetry to act as a brush head  
 which is fitted with polyamide bristles. Centrifugal action urges these  
 filaments against the deposited cement mortar layer and makes its  
 surface smooth.

ADVANTAGE - This smooths the grout surface even when the layer  
 thickness fluctuates.

0/2|

DE- <TITLE TERMS> CENTRIFUGE; SMOOTH; DEVICE; POLYAMIDE; REVOLVING; BRISTLE  
 ; SMOOTH; INTERNAL; GROUT; LINING; MAINS|  
 DC- A88; L02; P64|  
 IC- <ADDITIONAL> B28B-021/96|  
 MC- <CPI> A05-F01E; A12-D03; A12-R; L02-A03; L02-D01|  
 FS- CPI; EngPI||

6/4/2 (Item 1 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
 CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
 TI- GROUT MATERIAL IMPREGNATION PROBING METHOD  
 PN- 05-255927 -JP 5255927 A-  
 PD- October 05, 1993 (19931005)  
 AU- TAKIZAWA NORIO; OYA TSUTOMU  
 PA- NITTO CONSTR CO LTD [424876] (A Japanese Company or Corporation), JP  
 (Japan)  
 AN- 04-053170 -JP 9253170-  
 AN- 04-053170 -JP 9253170-  
 AD- March 12, 1992 (19920312)  
 IC- -5- E02D-003/12; G01N-029/00; G01V-001/00  
 CL- 27.1 (CONSTRUCTION -- Earth Work); 46.1 (INSTRUMENTATION --  
 Measurement); 46.2 (INSTRUMENTATION -- Testing)  
 KW- R007 (ULTRASONIC WAVES); R083 (CONSTRUCTION -- Soil Hardener)  
 SO- Section: M, Section No. 1540, Vol. 18, No. 16, Pg. 37, January 12, 1994  
 (19940112)  
 AB- PURPOSE: To quickly and easily probe the impregnation effect, shorten  
 the process, and reduce the cost by receiving ultrasonic waves or  
 reflected ultrasonic waves with a receiver, and measuring the change  
 of the physical property of the ground such as the grout material  
 impregnation range and the water cutoff property.

CONSTITUTION: Many **grout outer** tubes 1, 1a, 1b of the double-tube double packer system are inserted into the segment of the ground G to be improved. A ultrasonic transmitter 2 is inserted into one of the **grout outer** tubes 1a, 1b adjacent to the **grout outer** tube 1 grouting a grout material 7, and a ultrasonic receiver 3 is inserted into the other. The grout material 7 is grouted, ultrasonic waves are transmitted from the transmitter 2 and received by the receiver 3, and the impregnation range S and water cutoff property are measured by a measuring device 6. The transmitter 2 and receiver 3 are inserted into the **grout outer** tubes 1a, 1b respectively, and the reflected ultrasonic waves of the transmitter 2 are received and measured. The improvement degree of the ground G in the early stage of grouting is checked, the escape of the grout material 7 to the outside of the impregnation range S, and the impregnation conditions thereafter by the probe can be decided.

?

?show files;ds

File 348:EUROPEAN PATENTS 1978-2003/Mar W01

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030306,UT=20030227

(c) 2003 WIPO/Univentio

Set	Items	Description
S1	669	(CARPET OR WOVEN OR FIBER OR FIBRE OR FIBROUS OR TEXTILE) (-2W) (TILE OR TILES OR SQUARE OR SQUARES OR TILING) OR CARPET() - TILES() COM OR ICARPET() TILES
S2	273	(MODULE? OR MODULAR) (2N) (FLOORING OR TILE? OR SQUARE? ? OR SHEET? OR TILING) (6N) (CARPET OR TEXTILE OR WOVEN OR FIBRE? ? - OR FIBER? ? OR FIBROUS) OR TILE() CARPET OR TILECARPET OR CARP-ETILES OR COMMERCIAL() CARPET
S3	5	CONTRACT() (CARPET OR FLOORING)
S4	90052	GROUT OR PORTLAND() CEMENT OR WATER() SOLUBLE() ORGANIC() MONO-MERS(5N) POLYMERI? OR CEMENT OR POLY() ACRYLAMIDE? OR POLYACRYL-AMIDE? OR CYANAGEL OR POLYOL() MONOACRYLATE? OR EPOXY() RESIN OR SYNTHETIC() POLYMER
S5	465	S4(2N) (BORDER? ? OR EDGE? ? OR (BETWEEN OR INBETWEEN OR IN-()) BETWEEN) (2W) (MODULE? ? OR EACH() PIECE OR TILE? ? OR SQUARE? ? OR SHEET? ? OR FILING) OR OUTSKIRT? ? OR OUTER? OR EDGED OR (LACED OR LINED) () OUTSIDE OR PERIPHER? OR CIRCUMFEREN?)
S6	3	GROUT() (EDGE? OR BORDER? OR CIRCUMFERENC? OR INBETWEEN OR - OUTER? OR LINING)
S7	6	(S1 OR S2 OR S3) AND S5
S8	14	(S1:S3) AND GROUT?
S9	8	S4 AND IC=B32B-003/02
S10	0	IC=D06C-025 AND S9
S11	263	S4(2N) (INTERFAC? OR INTERSTITIAL?)
S12	2	(S1:S3) AND S11
S13	1	IC=A47G-027/02 AND (S5 OR S6 OR S11)
S14	2	IC=A47G-027/02 AND GROUT?
S15	5	S4 AND IC=A47G-027/02
S16	3	S15 NOT (S6 OR S8 OR S10 OR S14)
S17	28	S7 OR S8 OR S9 OR S12:S16

?t17/5,k/all

17/5,K/1 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01206279

DISPERSION OF HOT-MELT ADHESIVE PARTICLES, HEAT-BONDABLE SHEET, INTERIOR MATERIAL, THERMOFORMABLE TEXTILE SHEET, AND CARPET

DISPERSION VON SCHMELZBAREN KLEBSTOFFPARTIKELN, HEISSIEGELBARES BLATT, INNENMATERIAL, HITZEFORMBARES TEXTILBLATT UND TEPPICH

DISPERSION DE PARTICULES D'ADHESIF THERMOFUSIBLE, FEUILLE THERMOUSOUDABLE, MATERIAU INTERIEUR, FEUILLE TEXTILE THERMOFORMABLE ET TAPIS

PATENT ASSIGNEE:

Nagoya Oilchemical Co., Ltd., (770733), 213-5, Honowari,  
Minamishibata-cho, Tokai-shi, Aichi 476-0001, (JP), (Applicant  
designated States: all)

INVENTOR:

OGAWA, Masanori, Nagoya Oilchemical Co., Ltd., 213-5, Honowari,  
Minamishibata-cho, Tokai-shi, Aichi 476-0001, (JP)  
KIOKA, Norihiko, Nagoya Oilchemical Co., Ltd., 213-5, Honowari,  
Minamishibata-cho, Tokai-shi, Aichi 476-0001, (JP)  
ITO, Kuninori, Nagoya Oilchemical Co., Ltd., 213-5, Honowari,  
Minamishibata-cho, Tokai-shi, Aichi 476-0001, (JP)

LEGAL REPRESENTATIVE:

VOSSIUS & PARTNER (100314), Siebertstrasse 4, 81675 Munchen, (DE)

Search Report from Ginger D. Roberts

PATENT (CC, No, Kind, Date): EP 1090973 A1 010411 (Basic)

WO 0052110 000908

APPLICATION (CC, No, Date): EP 900413 000117; WO 00JP177 000117

PRIORITY (CC, No, Date): JP 9950115 990226; JP 99126594 990507

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: C09J-201/00; C09J-133/00; **A47G-027/02**

CITED PATENTS (WO A): US 4307004 A ; JP 61163981 A ; US 5352741 A ; JP 7233358 A ; JP 7233357 A ; JP 10231402 A ; JP 57207663 A ; JP 6256671 A ; JP 52108441 A ; JP 9078043 A ; JP 59091170 A ; JP 51011966 A ; EP 64893 A1; JP 57018773 A ; JP 56104904 A ; JP 56104903 A ; EP 259968 A1; JP 59152938 A ; DE 1794247 A1

ABSTRACT EP 1090973 A1

An object of the present invention is to provide a dispersion of a hot-melt adhesive powder having a good stability and a product having an uniform quality using said dispersion.

To attain the object, the present invention provides a dispersion of a hot-melt adhesive powder consisting of water and a hot-melt adhesive powder which is dispersed in said water. Preferable alkali-thickening type thickener may be an alkali-thickening type acrylic emulsion or an slightly cross-linked polyacrylic acid.

ABSTRACT WORD COUNT: 77

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 001102 A1 International application. (Art. 158(1))

Application: 001102 A1 International application entering European phase

Application: 010411 A1 Published application with search report

Examination: 010411 A1 Date of request for examination: 20010104

Search Report: 020717 A1 Date of drawing up and dispatch of supplementary:search report 20020603

Examination: 021030 A1 Date of dispatch of the first examination report: 20020913

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	200115	459
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SPEC A	(English)	200115	8516
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Total word count - document A	8975
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Total word count - document B	0
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Total word count - documents A + B	8975
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...INTERNATIONAL PATENT CLASS: **A47G-027/02**

...SPECIFICATION the like - salt of polyacrylic acid, methacrylic acid, alginic acid and the like, water-soluble **synthetic polymer** such as polyethyleneoxide and the like, water-soluble natural polymer of plant mucilage such as...

...fluororesin, thermoplastic acrylic resin, thermoplastic polyester, thermoplastic polyamide, thermoplastic urethane, thermosetting synthetic resin such as **epoxy resin**, melamine resin, urea resin, phenolic resin, resorcin resin, alkylresorcin resin and the like, acrylonitrile-butadiene...urethane resin, melamine resin, thermosetting acrylic resin, urea resin, phenolic resin, resorcin resin, alkylresorcin resin, **epoxy resin**, thermosetting polyester and the like can be used.

As above described, when said synthetic resin...urethane resin, melamine resin, thermosetting acrylic resin, urea resin, phenolic resin, resorcin resin, alkylresorcin resin, **epoxy resin**, thermosetting



polyester and the like, a synthetic resin precursor such as a prepolymer such as urethane resin prepolymer, **epoxy resin** prepolymer, melamine resin prepolymer, urea resin prepolymer, phenolic resin prepolymer, diallylphtalate prepolymer, acrylic oligomer, polyisocyanate...urethane resin, melamine resin, thermosetting acrylic resin, urea resin, phenolic resin, resorcin resin, alkylresorcin resin, **epoxy resin**, thermosetting polyester and the like; a synthetic resin precursor such as a prepolymer such as urethane resin prepolymer, **epoxy resin** prepolymer, melamine resin prepolymer, urea resin prepolymer, phenolic resin prepolymer, diallylphtalate prepolymer, acrylic oligomer, polyisocyanate...

17/5,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00835536

**Flexible heating element**

**Biegsames Heizelement**

**Element de chauffage flexible**

PATENT ASSIGNEE:

Electro Plastics Inc., (2224130), 1780 Beltway Drive, St Louis, Missouri 63114, (US), (Proprietor designated states: all)

INVENTOR:

Irgens, Stephan O., 4406 St.Vincent Ave., St. Louis Missouri 63119, (US)

LEGAL REPRESENTATIVE:

Crawford, Andrew Birkby et al (29761), A.A. Thornton & Co. 235 High Holborn, London WC1V 7LE, (GB)

PATENT (CC, No, Kind, Date): EP 773704 A2 970514 (Basic)  
EP 773704 A3 971203  
EP 773704 B1 020619

APPLICATION (CC, No, Date): EP 96308211 961113;

PRIORITY (CC, No, Date): US 556539 951113

DESIGNATED STATES: DE; ES; FR; GB; SE

INTERNATIONAL PATENT CLASS: H05B-003/36

CITED PATENTS (EP B): WO 90/09086 A; DE 1943007 A; FR 2681753 A; GB 2104357 A; US 4058704 A

CITED REFERENCES (EP B):

PATENT ABSTRACTS OF JAPAN vol. 096, no. 002, 29 February 1996 & JP 07 272833 A (HIROTSUGU KANEHARA;OTHERS: 01), 20 October 1995,;

ABSTRACT EP 773704 A2

An improved plastic heating element of the type comprising an elongate web of flexible, electrically conductive plastic, having two electrodes embedded therein extending longitudinally adjacent each side edge. An electrically insulating adhesive layer covers the surfaces of the heating element.

ABSTRACT WORD COUNT: 41

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 000517 A2 Date of dispatch of the first examination report: 20000403

Application: 970514 A2 Published application (A1with Search Report ;A2without Search Report)

Grant: 020619 B1 Granted patent

Change: 970528 A2 Inventor (change)

Search Report: 971203 A3 Separate publication of the European or International search report

Examination: 980715 A2 Date of filing of request for examination:

Search Report from Ginger D. Roberts

980514

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	259
CLAIMS B	(English)	200225	357
CLAIMS B	(German)	200225	358
CLAIMS B	(French)	200225	450
SPEC A	(English)	EPAB97	1404
SPEC B	(English)	200225	1486
Total word count - document A			1663
Total word count - document B			2651
Total word count - documents A + B			4314

...SPECIFICATION where the adhesive secures the element to the substrate, and secures a covering, such as **carpet** or **tile**, to the element.

The improved flexible heating element of the present invention can be made...adhesive layer 50 helps secure the carpet C on the floor F. Alternatively, leveling compound, **grout**, or some other adhesive can be placed over the heating element 20'.

The adhesive layer...

...SPECIFICATION where the adhesive secures the element to the substrate, and secures a covering, such as **carpet** or **tile**, to the element.

The flexible heating element of the present invention can be made quickly...adhesive layer 50 helps secure the carpet C on the floor F. Alternatively, leveling compound, **grout**, or some other adhesive can be placed over the heating element 20'.

The adhesive layer...

17/5,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00799356

**METHOD OF TREATING CARPET YARN AND CARPET**

**VERFAHREN ZUM BEHANDELN VON TEPPICHGARNEN UND TEPPICHEN**

**PROCEDE DE TRAITEMENT DE FIL POUR TAPIS ET DE TAPIS**

PATENT ASSIGNEE:

SHAW INDUSTRIES, INC., (1632291), 616 East Walnut Avenue, P.O. Drawer  
2128, Dalton, GA 30722-2128, (US), (Proprietor designated states: all)

INVENTOR:

JONES, Dennis J., Jr., 1912 Canterbury Drive, Dalton, GA 30720, (US)

LEGAL REPRESENTATIVE:

Vossius, Volker, Dr. et al (12524), Dr. Volker Vossius,  
Patentanwaltskanzlei - Rechtsanwaltskanzlei, Holbeinstrasse 5, 81679  
Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 758928 A1 970226 (Basic)  
EP 758928 A1 981202  
EP 758928 B1 010711  
WO 9625240 960822

APPLICATION (CC, No, Date): EP 96906361 960209; WO 96US1811 960209

PRIORITY (CC, No, Date): US 388033 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;  
NL; PT; SE

INTERNATIONAL PATENT CLASS: B05D-001/18; B05D-003/02; **B32B-003/02** ;  
B32B-033/00; D06M-015/263; D06M-015/277; D06M-015/41

CITED PATENTS (EP B): WO 89/03826 A; WO 92/10605 A; WO 93/09156 A; WO  
93/19238 A; WO 94/05848 A; DE 2406343 A; US 4822373 A; US 4937123 A; US  
5073442 A; US 5084306 A

NOTE:

March 11, 2003 4 17:05

Search Report from Ginger D. Roberts

No A-document published by EPO  
LEGAL STATUS (Type, Pub Date, Kind, Text):  
Grant: 010711 B1 Granted patent  
Application: 961120 A International application (Art. 158(1))  
Oppn None: 020703 B1 No opposition filed: 20020412  
Application: 970226 A1 Published application (A1with Search Report  
;A2without Search Report)  
Examination: 970226 A1 Date of filing of request for examination:  
961104  
Change: 970402 A1 Title of invention (German) (change)  
Change: 981118 A1 Obligatory supplementary classification  
(change)  
Search Report: 981202 A1 Drawing up of a supplementary European search  
report: 981013  
Examination: 990512 A1 Date of despatch of first examination report:  
990324

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200128	1208
CLAIMS B	(German)	200128	1182
CLAIMS B	(French)	200128	1361
SPEC B	(English)	200128	9053
Total word count - document A			0
Total word count - document B			12804
Total word count - documents A + B			12804

...INTERNATIONAL PATENT CLASS: **B32B-003/02**

...SPECIFICATION it is tufted into carpet.

Typically, the carpet yarn will be made from an extruded **synthetic polymer**, such as nylon, polyester or polypropylene. Alternatively, the carpet yarn can be made from a...

17/5,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00498687

**IMPROVED CEMENTITIOUS CONSTRUCTION PANEL**

**BAUPLATTE AUS ZEMENT**

**PANNEAUX DE CONSTRUCTION EN CIMENT AMELIORES**

PATENT ASSIGNEE:

CUSTOM BUILDING PRODUCTS, (2170270), 13001 Seal Beach Boulevard, Seal  
Beach, California 90740, (US), (applicant designated states:

AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Teare, John W., deceased, , (US)

LEGAL REPRESENTATIVE:

Colgan, Stephen James et al (29461), CARPMAELS & RANSFORD 43 Bloomsbury  
Square, London WC1A 2RA, (GB)

PATENT (CC, No, Kind, Date): EP 513006 A1 921119 (Basic)  
EP 513006 A1 930120  
EP 513006 B1 970122  
WO 9111321 910808

APPLICATION (CC, No, Date): EP 91900452 901130; WO 90US6985 901130

PRIORITY (CC, No, Date): US 473895 900202; US 573544 900827

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: B32B-001/04; **B32B-003/02**

CITED PATENTS (EP A): FR 2065646 A; EP 154094 A

CITED PATENTS (WO A): US 4351867 A

March 11, 2003 5 17:05

# Search Report from Ginger D. Roberts

## NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Lapse: 020619 B1 Date of lapse of European Patent in a contracting state (Country, date): AT 19970122, BE 19970122, CH 19970122, LI 19970122, DK 19970122, ES 19970122, FR 19970620, GR 19970122, SE 19970422,

Lapse: 20000202 B1 Date of lapse of European Patent in a contracting state (Country, date): AT 19970122, BE 19970122, CH 19970122, LI 19970122, DK 19970122, FR 19970620, GR 19970122, SE 19970422,

Lapse: 030212 B1 Date of lapse of European Patent in a contracting state (Country, date): AT 19970122, BE 19970122, CH 19970122, LI 19970122, DK 19970122, ES 19970122, FR 19970620, GR 19970122, NL 19970122, SE 19970422,

Application: 921119 A1 Published application (A1with Search Report ;A2without Search Report)

Examination: 921119 A1 Date of filing of request for examination: 920819

Search Report: 930120 A1 Drawing up of a supplementary European search report: 921130

Examination: 960207 A1 Date of despatch of first examination report: 951227

Change: 960925 A1 Inventor (change)

Change: 961002 A1 Representative (change)

\*Assignee: 961002 A1 Applicant (transfer of rights) (change): CUSTOM BUILDING PRODUCTS (2170270) 13001 Seal Beach Boulevard Seal Beach, California 90740 (US) (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

\*Assignee: 961002 A1 Previous applicant in case of transfer of rights (change): TEARE, John W (349890) 22 Historic Crescent Hamilton, OH 45013-6094 (US) (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

Grant: 970122 B1 Granted patent

Lapse: 971015 B1 Date of lapse of the European patent in a Contracting State: AT 970122

Lapse: 971029 B1 Date of lapse of the European patent in a Contracting State: AT 970122, FR 970620

Lapse: 971203 B1 Date of lapse of the European patent in a Contracting State: AT 970122, BE 970122, FR 970620

Oppn None: 980114 B1 No opposition filed

Lapse: 980121 B1 Date of lapse of the European patent in a Contracting State: AT 970122, BE 970122, CH 970122, LI 970122, FR 970620

Lapse: 980121 B1 Date of lapse of the European patent in a Contracting State: AT 970122, BE 970122, CH 970122, LI 970122, FR 970620

Lapse: 980311 B1 Date of lapse of the European patent in a Contracting State: AT 970122, BE 970122, CH 970122, LI 970122, FR 970620, SE 970422

Lapse: 980408 B1 Date of lapse of the European patent in a Contracting State: AT 970122, BE 970122, CH 970122, LI 970122, DK 970122, FR 970620, SE 970422

LANGUAGE (Publication,Procedural,Application): English; English; English

March 11, 2003 6 17:05

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB97	155
CLAIMS B	(German)	EPAB97	130
CLAIMS B	(French)	EPAB97	179
SPEC B	(English)	EPAB97	2590
Total word count - document A			0
Total word count - document B			3054
Total word count - documents A + B			3054

...INTERNATIONAL PATENT CLASS: B32B-003/02

...SPECIFICATION perlite, expanded glass beads, polystyrene beads, and the like), and a cementitious material (e.g., **portland cement**, magnesia **cement**, alumina **cement**, gypsum and blends of such materials). A foaming agent as well as other additives can...

...fabric is bonded to the surface of the core layer with a thin coating of **portland cement** slurry, with or without some fine aggregate added. Alternatively the core mix can be sufficiently...preferred embodiment, the panel of my invention comprises a core layer of a mix of **portland cement** and a light-weight aggregate with a layer of fiber glass mesh scrim covering and...

...9 to 243.8cm (4 to 8 feet) long. A core of expanded shale and **portland cement** is covered on each of its two faces with a layer of fiber glass mesh 13 bonded to the core face with a thin layer 14 of neat **portland cement**. The edges 15 and ends 16 are bare with the core 12 exposed.  
Fig. 3...

...of a second prior art backerboard 17. The core 18 is composed of a foamed **portland cement** matrix with expanded polystyrene beads and other light-weight aggregate. The core is enclosed by...

...to more clearly illustrate its structure. The core layer 22 is a light-weight aggregate- **portland cement** composition. It is covered with a layer of reinforcing fabric, preferably a woven mesh of...

...and 26 on the bottom. Typically the usual bonding layer is a coating of neat **portland cement**. In the forming operation the bottom fabric layer 24, of a suitable width, is folded...

...core along the length of the panel. In a prior step the coating of neat **portland cement** is applied to that portion of the fabric web 24 which is brought into contact...

...and extends over the portion 27 of the bottom fabric layer; a coating of the **cement** is applied over the fabric 23 as indicated at 25 to bond it to the core layer 22. The folded over section 27 becomes embedded in the **portland cement** and becomes united with the web 23. One or both edges of the panel can...carrier sheet, a continuous web of reinforcing fabric is deposited on the paper web, a **portland cement** slurry is wiped onto the web of fabric to coat it except on the edge...

...core extending sufficiently wide to cover the folded over portions of the lower web, and **portland cement** slurry is applied to coat the top layer of fabric and to bond it to...

...CLAIMS cementitious material.

4. A panel according to claim 1 in which said cementitious material comprises **portland cement**.

5. A panel according to claim 1 in which said reinforcing fabric is a fiber...

17/5,K/5 (Item 5 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00392713

Process for rehabilitating internally reinforced concrete by removal of chlorides.

Verfahren zum Sanieren von innen bewehrtem Beton durch Chloridentfernung.

Procede pour la rehabilitation du beton renforce interieurement par enlevement des chlorures.

PATENT ASSIGNEE:

Vennesland, Oystein, (1229160), Jonsvannsvn. 170, N-7048 Trondheim, (NO),

(applicant designated states: AT;BE;CH;DE;DK;FR;GB;GR;IT;LI;LU;NL;SE)

Opsahl, Ole Arnfinn, (1229170), Milorgvn. 59, N-3035 Drammen, (NO),

(applicant designated states: AT;BE;CH;DE;DK;FR;GB;GR;IT;LI;LU;NL;SE)

Miller, John B., (894160), Bergtuvn 9b, N-1087 Oslo, (NO), (applicant

designated states: AT;BE;CH;DE;DK;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

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Opsahl, Ole Arnfinn, Milorgun 55, N-3035 Drammen, (NO)

Miller, John B., Bergtuvn 9B, N-1087 Oslo 10, (NO)

LEGAL REPRESENTATIVE:

Turk, Gille, Hrabal, Leifert (100971), Brucknerstrasse 20, D-40593

Dusseldorf, (DE)

PATENT (CC, No, Kind, Date): EP 398117 A2 901122 (Basic)

EP 398117 A3 910306

EP 398117 B1 950412

APPLICATION (CC, No, Date): EP 90108562 900507;

PRIORITY (CC, No, Date): US 352266 890516; US 366204 890609

DESIGNATED STATES: AT; BE; CH; DE; DK; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: C04B-041/47; E04G-023/02;

CITED PATENTS (EP A): WO 8906299 A; EP 200428 A

CITED REFERENCES (EP A):

CHEMICAL ABSTRACTS, vol. 101, no. 22, November 1984, page 304, abstract no. 197072h, Columbus, Ohio, US; P. FRIESE: "Electrochemical desalting of masonry. I. Necessity and theoretical principles", & BAUPHYSIK, 1984, 6(3), 94-7

MATERIALS PERFORMANCE, November 1976, pages 21-26, Houston, US; J.E.

SLATER et al.: "Electrochemical removal of chlorides from concrete bridge decks"

CHEMICAL ABSTRACTS, vol. 90, 1979, page 236, abstract no. 156058u,

Columbus, Ohio, US; C.E. LOCKE et al.: "Embeddable reference electrodes for chloride contaminated concrete", & MATER. PERFORM. 1979, 18(2), 70-3;

ABSTRACT EP 398117 A2

A process for rehabilitation of internally reinforced concrete which comprises the temporary application of an adherent coating of an electrolytic material (12) to surface areas of the concrete. Distributed electrode (13) means, preferably a wire grid, is embedded in the adherent coating. Voltage sufficient to develop a current of about 1-5 amps/m(sup 2) is applied between the reinforcement and the distributed electrode, to cause migration of chloride ions from the concrete into the electrolytic coating. A highly preferred material for the adherent electrolytic layer is cellulosic pulp, premixed with water or other solution (such as calcium hydroxide) in a nozzle and sprayed onto the surface of the area being treated. Desirably, the distributed electrode is formed of a ferrous material reactive with chlorine, to minimize the release of free chlorine gas into the ambient. Particularly for tensioned reinforcement, the process monitors polarization of the tensioned steel to prevent hydrogen embrittlement.

ABSTRACT WORD COUNT: 154

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 901122 A2 Published application (Alwith Search Report  
;A2without Search Report)  
Change: 901205 A2 Representative (change)  
Search Report: 910306 A3 Separate publication of the European or  
International search report  
Examination: 910612 A2 Date of filing of request for examination:  
910411  
Examination: 920826 A2 Date of despatch of first examination report:  
920710  
Grant: 950412 B1 Granted patent  
Change: 950802 B1 Representative (change)  
\*Assignee: 950802 B1 Proprietor of the patent (name, address)  
(change)  
Change: 950823 B1 Representative (change)  
\*Assignee: 950823 B1 Proprietor of the patent (name, address)  
(change)  
Oppn None: 960403 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	947
CLAIMS B	(English)	EPAB95	948
CLAIMS B	(German)	EPAB95	953
CLAIMS B	(French)	EPAB95	1028
SPEC A	(English)	EPABF1	3857
SPEC B	(English)	EPAB95	3791
Total word count - document A			4804
Total word count - document B			6720
Total word count - documents A + B			11524

...SPECIFICATION level of conductivity. As described in the parent application, this may include certain forms of **grout** , retarded so as to not set up during the course of the treatment. More advantageously... applied to the concrete surface in amounts approximating 2.5 - 3.0 kg of dry **fiber** per **square** meter of concrete surface, together with 8-10 liters of water or other solution per...

...CLAIMS in an amount of from about 2.5 kg to about 3.0 kg of **fiber** per **square** meter of surface, premixed with from about 8 L to about 10 L liquid per...

...CLAIMS in an amount of from about 2.5 kg to about 3.0 kg of **fiber** per **square** meter of surface, premixed with from about 8 l to about 10 l liquid per...

17/5,K/6 (Item 6 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00343753

Floor covering.

Fussbodenbelag.

Revetement de sol.

PATENT ASSIGNEE:

Herforder Teppichfabrik Huchzermeyer & Co. GmbH, (789350), Oetinghauser  
Weg 90, D-32051 Herford, (DE), (applicant designated states:  
AT;BE;CH;DE;ES;FR;GB;IT;LI;NL;SE)

INVENTOR:

Search Report from Ginger D. Roberts

Huchzermeyer, Cord-Henrich, Sauerbruchstrasse 46, D-4900 Herford, (DE)  
LEGAL REPRESENTATIVE:

TER MEER - MULLER - STEINMEISTER & PARTNER (100062),  
Artur-Ladebeck-Strasse 51, D-33617 Bielefeld, (DE)  
PATENT (CC, No, Kind, Date): EP 352435 A2 900131 (Basic)  
EP 352435 A3 910807  
EP 352435 B1 940420

APPLICATION (CC, No, Date): EP 89109575 890527;  
PRIORITY (CC, No, Date): DE 8807177 880601  
DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IT; LI; NL; SE  
INTERNATIONAL PATENT CLASS: D06N-007/00; A47G-027/02  
CITED PATENTS (EP A): EP 218108 A; DE 3801765 A

ABSTRACT EP 352435 A2 (Translated)

In a floor covering comprising a fibre pile (16) or the like anchored as upper tread surface in a latex layer (15) or the like, and a softer, bottom layer where there is provided a lower sheet (10) formed with tufts (11) of a knitted or woven fabric web, whose tufts (11) are spaced apart in rows and protrude on one side to form cable ducts, there is arranged on the underside of the sheet (10) equipped with upward pointing tufts (11) a floor-facing random fibre layer (12) made of natural or man-made fibres. Above the sheet (10) equipped with tufts (11) there lies a load-equalising sheet (13) which supports the fibre pile (16) or the like, anchored in latex or the like, from below with a stiffening interlayer of bitumen (14) or the like.

TRANSLATED ABSTRACT WORD COUNT: 138

ABSTRACT EP 352435 A2

Bei einem Fusbodenbelag mit einem in einer Latexschicht (15) o. dgl. verankerten Faserflor (16) o. dgl. als obere Laufschiicht und mit einer weichen Unterschicht, bei dem eine untere, mit Noppen (11) aus einer Gewirke- oder Gewebbahn gebildete Platte (10) vorgesehen ist, deren Noppen (11) in Reihen mit Abstand voneinander unter Bildung von Kabelkanalen einseitig vorstehen, ist auf der Unterseite der mit nach oben weisenden Noppen (11) ausgestatteten Platte (10) eine bodenseitige Wirrfaserschicht (12) aus Natur- oder Chemiefasern angeordnet. Über der mit Noppen (11) ausgestatteten Platte (10) liegt eine belastungsausgleichende Platte (13), die den in Latex o. dgl. verankerten Faserflor (16) o. dgl. mit einer darunter angeordneten versteifenden Zwischenschicht aus Bitumen (14) o. dgl. trägt.

ABSTRACT WORD COUNT: 118

LEGAL STATUS (Type, Pub Date, Kind, Text):

Lapse:	020605 B1	Date of lapse of European Patent in a contracting state (Country, date): IT 19940420, SE 19940420,
Application:	900131 A2	Published application (A1with Search Report ;A2without Search Report)
Lapse:	020612 B1	Date of lapse of European Patent in a contracting state (Country, date): ES 19940420, IT 19940420, SE 19940420,
Change:	910320 A2	Representative (change)
Search Report:	910807 A3	Separate publication of the European or International search report
Examination:	911211 A2	Date of filing of request for examination: 911009
Examination:	920916 A2	Date of despatch of first examination report: 920729
Grant:	940420 B1	Granted patent
Oppn None:	950412 B1	No opposition filed
Lapse:	991020 B1	Date of lapse of European Patent in a contracting state (Country, date): IT



19940420,

LANGUAGE (Publication,Procedural,Application): German; German; German  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	574
CLAIMS B	(German)	EPBBF1	452
CLAIMS B	(French)	EPBBF1	625
SPEC B	(German)	EPBBF1	754
Total word count - document A			0
Total word count - document B			2405
Total word count - documents A + B			2405

...INTERNATIONAL PATENT CLASS: **A47G-027/02**

...CLAIMS in that the filling compound (17) of the knobs (11) consists of a fibre-reinforced **cement** .

5. Floor covering according to any one of Claims 1 to 4, characterised in that...

17/5,K/7 (Item 7 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00341489

**Tubesheet for semipermeable membrane devices.**

**Rohrboden fur Membranvorrichtungen.**

**Plaque tubulaire pour appareils a membranes semi-permeables.**

PATENT ASSIGNEE:

PRAXAIR TECHNOLOGY, INC., (1181491), 39 Old Ridgebury Road, Danbury, CT  
06810-5113, (US), (applicant designated states: BE;DE;ES;FR;GB;IT;NL)

INVENTOR:

Bikson, Benjamin, 18 Gibbs, No 3, Brookline Mass. 02146, (US)

Giglia, Salvatore, 7-2, Endicott Street, Norwood Mass. 02062, (US)

LEGAL REPRESENTATIVE:

Schwan, Gerhard, Dipl.-Ing. (10931), Elfenstrasse 32, D-81739 Munchen,  
(DE)

PATENT (CC, No, Kind, Date): EP 338582 A2 891025 (Basic)  
EP 338582 A3 900131  
EP 338582 B1 940223

APPLICATION (CC, No, Date): EP 89107249 890421;

PRIORITY (CC, No, Date): US 184799 880422

DESIGNATED STATES: BE; DE; ES; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS: B01D-063/02; B29C-067/18; B01D-053/22

CITED PATENTS (EP A): EP 102539 A; EP 102539 A; EP 102539 A; EP 166994 A;  
EP 166994 A; US 4183890 A; US 4183890 A; US 4211602 A; BE 675061 A; EP  
299459 A; EP 299459 A

CITED REFERENCES (EP A):

PATENT ABSTRACTS OF JAPAN, vol. 9, no. 112 (C-281) 1835 , 16th May 1985;  
& JP-A-60 5204 (ASAHI KASEI KOGYO K.K.) 11-01-1985

PATENT ABSTRACTS OF JAPAN, vol. 10, no. 276 (C-373) 2332 , 19th September  
1986; & JP-A-61 97 005 (MITSUBISHI RAYON CO. LTD) 15-05-1986;

ABSTRACT EP 338582 A2

A method for producing hollow fiber permeable devices having an essentially leak-free seal between the hollow fibers and the tubesheet that consists of heating the tubesheet containing the hollow fibers potted therein at a temperature essentially equal to or greater than the glass transition temperature of the thermoplastic material or the softening point of the thermoset material of the hollow fiber for a period of time sufficient to essentially densify the hollow fibers in the potted portion of the tubesheet and whereby a major portion of the

Search Report from Ginger D. Roberts

interior diameter of the bores of the hollow fibers embedded in the tubesheet is enlarged; and the fiber permeable devices themselves.  
ABSTRACT WORD COUNT: 112

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 891025 A2 Published application (Alwith Search Report  
;A2without Search Report)  
Search Report: 900131 A3 Separate publication of the European or  
International search report  
Examination: 900404 A2 Date of filing of request for examination:  
900208  
Examination: 920513 A2 Date of despatch of first examination report:  
920327  
Change: 930602 A2 Representative (change)  
\*Assignee: 930602 A2 Applicant (transfer of rights) (change):  
PRAXAIR TECHNOLOGY, INC. (1181491) 39 Old  
Ridgebury Road Danbury, CT 06810-5113 (US)  
(applicant designated states:  
AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)  
Change: 931013 A2 Designated Contracting States (change)  
Grant: 940223 B1 Granted patent  
Oppn None: 950215 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	471
CLAIMS B	(German)	EPBBF1	390
CLAIMS B	(French)	EPBBF1	510
SPEC B	(English)	EPBBF1	7136
Total word count - document A			0
Total word count - document B			8507
Total word count - documents A + B			8507

...SPECIFICATION elevated temperature prior to coating with the membrane-forming material.

Example 1

Polysulfone porous hollow fiber produced by the conventional procedure previously described were air dried at about 115(degree) C by passing through a hot-air drying column. The dried fibers were then annealed by...

...CLAIMS the temperature is controlled during the heating step (c) by blowing cool air across the interface of the hollow fibers (2) and the tubesheet (1).

8. A method as claimed in claim 6 or...

17/5,K/8 (Item 8 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00313379

A cement tile reinforced with fibers and a method for the production of the same.

Faserverstärkter Zementdachziegel und Verfahren zu dessen Herstellung.

Tuile en ciment renforcé de fibres et procédé pour sa fabrication.

PATENT ASSIGNEE:

SEKISUI KAGAKU KOGYO KABUSHIKI KAISHA, (210971), 4-4 Nishitemma 2-chome,  
Kita-ku Osaka 530, (JP), (applicant designated states:  
CH;DE;FR;GB;IT;LI;NL)

INVENTOR:

Kamitani, Masataka, 20-1, Naganohigashi, Suita-shi Osaka, (JP)

March 11, 2003 12 17:05

Search Report from Ginger D. Roberts

Kawaguchi, Takeshi, 2-26-9, Seiwadai Kawai-cho, Kitakatsuragi-gun  
Nara-ken, (JP)

Inukai, Yasuo, 689-9, Tobaotsu Yasu-cho, Yasu-gun Shiga-ken, (JP)

LEGAL REPRESENTATIVE:

Kosmin, Gerald Emmanuel et al (32711), HASELTINE, LAKE & CO. Hazlitt

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PATENT (CC, No, Kind, Date): EP 295153 A1 881214 (Basic)

EP 295153 B1 920422

APPLICATION (CC, No, Date): EP 88305401 880613;

PRIORITY (CC, No, Date): JP 87147737 870612; JP 8771579 880324; JP 8772205  
880325

DESIGNATED STATES: CH; DE; FR; GB; IT; LI; NL

INTERNATIONAL PATENT CLASS: E04D-003/26;

CITED PATENTS (EP A): FR 2286254 A; FR 1010876 A; US 3224205 A; FR 1371646

A; EP 114518 A; FR 2370010 A; US 2672670 A; FR 2217937 A; DE 2743934 A;

US 4414030 A; EP 173553 A

ABSTRACT EP 295153 A1

A cement tile (10) reinforced with fibers having, per 100 parts by weight of cement, 0.3-7 parts by weight of synthetic fibers as reinforcing materials, and 200 parts by weight or less of an inorganic filler, wherein the tile is in the shape of a wave with alternating hills and valleys, which run in the direction of the slope of the roof when it is installed on the building material of the roof that is under the tiles of a sloping roof, the valley (14) of the tile being 5-30% thicker than the hill (15), and/or the undersurface, except for the edges of the hills and valleys, being provided with a supporting stand (20, 21), and a method for the manufacture of the said tile.

ABSTRACT WORD COUNT: 129

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 881214 A1 Published application (A1with Search Report  
;A2without Search Report)

Examination: 890705 A1 Date of filing of request for examination:  
890425

Examination: 900822 A1 Date of despatch of first examination report:  
900705

Grant: 920422 B1 Granted patent

Oppn None: 930414 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS B	(English)	EPBBF1	317
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CLAIMS B	(German)	EPBBF1	284
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CLAIMS B	(French)	EPBBF1	335
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SPEC B	(English)	EPBBF1	7790
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Total word count - document A	0
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Total word count - document B	8726
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Total word count - documents A + B	8726
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...SPECIFICATION polymers act to disperse aggregates and synthetic fibers such as vinylon fibers and the like **uniformly** throughout the **cement**, and can be added to prevent the formation of fiber balls made by the precipitation...The groove 16 is provided continuously along each hill 14 and each valley 15.

At **the edge** of the tile 10 that is placed toward the ridge at the time of roof...use in the making of tiles made of cement reinforced with fibres.

(2) Formation of **tiles** made of **cement** reinforced with fibres:

The composition described in Section 1 above was molded by a water...

...filing with material for tiles made of cement reinforced with fibres:

Some of the tiles made of cement reinforced with fibres that were formed in Section 2 above were cut cross-sectionally, and...use in the making of tiles made of cement reinforced with fibers.

(2) Molding of tiles made of cement reinforced with fibers:

The composition described in Section 1 above was molded by a water...

...the same shape as in Example 1.

(3) Condition of filling with material for tiles made of cement reinforced with fibers:

In the same way as in Example 1, the condition of filling...

...the making of tiles made of cement reinforced with fibres:

Per 100 parts by weight of ordinary Portland cement, 45 parts by weight of water, 2.0 parts by weight of vinylon fibres (diameter...part by weight of methyl cellulose and 0.3 part by weight of vinylon fibers (fiber length, 6 mm; thickness, 5 deniers) as synthetic fibers were added, and these were mixed by being...

17/5,K/9 (Item 9 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00273842

Highly tough composite materials.

Zahe Verbundmaterialien.

Materiaux composites tenaces.

PATENT ASSIGNEE:

TORAY INDUSTRIES, INC., (203533), 2-1, Nihonbashi Muromachi 2-chome

Chuo-ku, Tokyo 103, (JP), (applicant designated states:

AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Odagiri, Nobuyuki, A11-13, 2-chome 5, Sonoyama, Otsu-shi Shiga-ken, 520, (JP)

Suzue, Shigeru Atsuta-ryo, 2-chome 4-1, Sanjo Minami-ku, Nagoya-shi Aichi-ken 457, (JP)

Kishi, Hajime 6-1-723 Mukaijima-danchi, Yotsuyaike 14-8, Mukaijima Fushimi-ku, Kyoto-shi Kyoto-fu, 612, (JP)

Nakae, Takeji, 29-23 Jinryo 2-chome, Otsu-shi, 520-21, (JP)

Matsuzaki, Akimitsu, A5-15, 2-chome, 10, Sonoyama, Otsu-shi Shiga-ken 520, (JP)

LEGAL REPRESENTATIVE:

Paget, Hugh Charles Edward et al (34621), MEWBURN ELLIS 2 Cursitor Street, London EC4A 1BQ, (GB)

PATENT (CC, No, Kind, Date): EP 274899 A2 880720 (Basic)

EP 274899 A3 891213

EP 274899 B1 940209

APPLICATION (CC, No, Date): EP 87311364 871223;

PRIORITY (CC, No, Date): JP 86315116 861225; JP 87548 870107; JP 87549 870107; JP 87262028 871016; JP 87262029 871016

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: C08J-005/24;

CITED PATENTS (EP A): EP 58141 A; EP 58141 A; FR 2566416 A; US 4604319 A

CITED REFERENCES (EP A):

PATENT ABSTRACTS OF JAPAN, vol. 9, no. 245 (M-418) 1968, 31 May 1985; & JP-A-60 097 808 (NIPPON SHOKUBAI KAGAKU KOGYO K.K.) 31-05-1985

IDEM;

ABSTRACT EP 274899 A2

Prepregs consisting of a fibre-reinforced resin having separate phase fine resin particles layers of fine particles distributed throughout the prepregs, as well as prepregs for making fibre-reinforced resin laminates

having as a separate phase resin particles of which 90 % or more lie in interlayer zones which are not greater in width than 30 % of the width of each layer forming the laminate. The first type of prepreg is prepared by combining a mixture of matrix resin and fine resin particles with reinforcing fibres, while the second type of prepreg is prepared by making a first mixture of reinforcing fibres and matrix resin, and sprinkling resin particles thereon, or alternatively making a second mixture of matrix resin and resin particles and then applying the second mixture to one or both faces of the first mixture. In a particular embodiment the resin particles may be composed of a combination of a thermosetting resin and a thermoplastic resin which has, or can develop, a semi-interpenetrating polymer network structure.

ABSTRACT WORD COUNT: 171

LEGAL STATUS (Type, Pub Date, Kind, Text):

Lapse: 20000126 B1 Date of lapse of European Patent in a contracting state (Country, date): GR 19940209,  
Application: 880720 A2 Published application (A1with Search Report ;A2without Search Report)  
Lapse: 20000209 B1 Date of lapse of European Patent in a contracting state (Country, date): GR 19940209, LU 19941231,  
Search Report: 891213 A3 Separate publication of the European or International search report  
Examination: 900502 A2 Date of filing of request for examination: 900302  
Examination: 910522 A2 Date of despatch of first examination report: 910410  
Grant: 940209 B1 Granted patent  
Change: 940302 B1 Representative (change)  
Oppn Ended: 961120 B1 Termination of opposition procedure: 960706

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	715
CLAIMS B	(German)	EPBBF1	715
CLAIMS B	(French)	EPBBF1	811
SPEC B	(English)	EPBBF1	11809
Total word count - document A			0
Total word count - document B			14050
Total word count - documents A + B			14050

...SPECIFICATION to identify the inter-layer zone. Then, on the photograph, tracing paper ruled into 1- millimeter squares is overlapped, and all the 1 ...before immersion.

Fatigue resistance was evaluated after repeatedly applying a (tensile) load in the EDS ( Edge Delamination Strength ) test mode. No separation was found after a load of 20 kg/mm(sup 2...

17/5,K/10 (Item 10 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00270302

Floor mat and method of manufacture.

Teppich und Verfahren zur dessen Herstellung.

Tapis et son procede de fabrication.

PATENT ASSIGNEE:

HEUGA HOLDING BV, (757720), Industrielaan 15 P.O. Box 16, NL-3925 ZG Scherpenzeel, (NL), (applicant designated states: BE;DE;FR;GB;IT;NL)

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LEGAL REPRESENTATIVE:

Slight, Geoffrey Charles et al , Graham Watt & Co. Riverhead, Sevenoaks  
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PATENT (CC, No, Kind, Date): EP 259152 A2 880309 (Basic)  
EP 259152 A3 900307

APPLICATION (CC, No, Date): EP 87307765 870903;

PRIORITY (CC, No, Date): US 903387 860903

DESIGNATED STATES: BE; DE; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS: D04H-001/58; D06M-021/04; **A47G-027/02** ;

A01K-001/015

CITED PATENTS (EP A): FR 1590631 A; US 3691004 A; US 4104435 A; DE 1135411  
B

ABSTRACT EP 259152 A2

A resilient, abrasion-resistant foraminous floor mat (14) comprises a layer (12) composed of a plurality of relatively stiff, resilient intersecting fibers coated with a high density, polymeric foam material. The upper surface (20) of the mat has a plurality of irregular islands of polymers with the lower surface (24) forming a generally planar gripping surface composed of islands (18). The upper surface (20) is a discontinuous, irregular surface, the coated, fibrous material having a relatively large, open area therethrough to permit the drainage of liquids through the mat. The method of the invention includes coating the fibrous material with liquid polymeric material and draining the liquid through the fibers onto a release support surface, heating the coated fibrous material on the support surface and thereafter recovering the mat from the support surface.

ABSTRACT WORD COUNT: 136

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 880309 A2 Published application (Alwith Search Report  
;A2without Search Report)  
Change: 880601 A2 Designated Contracting States (change)  
Change: 900110 A2 Obligatory supplementary classification  
(change)  
Change: 900117 A2 Obligatory supplementary classification  
(change)  
Search Report: 900307 A3 Separate publication of the European or  
International search report  
Withdrawal: 910502 A2 Date on which the European patent application  
was deemed to be withdrawn: 900908

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	654
SPEC A	(English)	EPABF1	2566
Total word count - document A			3220
Total word count - document B			0
Total word count - documents A + B			3220

...INTERNATIONAL PATENT CLASS: **A47G-027/02**

...CLAIMS material, which material comprises:-

- a) a layer of a pliable, resilient, mesh-like, three-dimensional **synthetic polymer** fibrous material wherein the fibers intersect;
- b) an abrasion-resistant, polymeric material coated on the...

...method comprises;

- a) ontacting a three-dimensional layer of an open, mesh-like,

pliable, resilient, **synthetic polymer** fibrous material with a liquid polymeric material to coat the fibrous material with the liquid...

17/5,K/11 (Item 1 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00965167 \*\*Image available\*\*

**A COMPOSITE PRECAST CAST INSITU BUILDING SYSTEM**  
**SYSTEME PREFABRIQUE COMPOSITE S'ASSEMBLANT SUR CHANTIER**

Patent Applicant/Inventor:

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(Nationality)

Patent and Priority Information (Country, Number, Date):

Patent: WO 200299208 A1 20021212 (WO 0299208)

Application: WO 2002IB1926 20020531 (PCT/WO IB0201926)

Priority Application: GCC/P/2001/1408 20010602

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: E04B-001/04

International Patent Class: E04B-001/16

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 4693

#### English Abstract

This invention is an improvement on, and refinement of a previous invention registered in the US patent office by the same inventor in the same speciality field, that being reinforced concrete buildings of pre-cast elements that are assembled into a building on site. This invention consists of a pre-cast vertical wall (1) that bends 90 degrees and continues extending horizontally at the top and bottom ends for about one meter. About 20 cm before the end of these slabs, the thickness drops to half its previous dimension. At the end of the slabs there are steel reinforcing bars that protrude for about 30 bar diameters of the reinforcing steel. By placing a similar wall panel opposite to and fastening the first panel with its protruding steel facing inward, and by fastening a steel form (3) to the bottom, on each side of the slabs both at the top and bottom of the wall, and then pouring concrete (8) a structurally continuous integrated square room is produced with a ceiling, a floor and a wall on each side. The central poured in place concrete portion can be replaced with a pre-cast slab to be secured at the ends by **grouting**, welding or mechanical clamps. Similarly this same procedure can be applied to all four walls of a room instead of just two, in order to reduce even more the moments on the slabs in larger or heavier cases.

#### French Abstract

L'invention, amelioration et perfectionnement d'une invention precedente dans le meme domaine deposee par le meme inventeur aupres de l'office US des brevets, porte sur des elements prefabriques de construction en beton

arme s'assemblant sur le chantier. Il s'agit de panneaux verticaux (1) prefabriques, coudes a 90degrés, et se prolongeant horizontalement d'environ un metre a partir de la base et du sommet pour former des dalles dont l'épaisseur diminue de moitié 20 cm environ avant leur extremite, et qui se prolongent par des fers a beton d'une longueur correspondant a environ 30 fois le diametre. En placant deux panneau similaires face a face, les fers tournes vers l'interieur, en fixant une banche metallique (3) sous les dalles du haut et du bas du panneau et en coulant du beton (8), on realise une structure integree continue de piece carree comportant un plafond, un plancher et deux parois laterales. La partie centrale en beton coule peut etre remplacee par une dalle prefabriquee fixee par gobetage, soudage ou a l'aide de crampons mecaniques. Le meme procede peut s'appliquer aux quatre parois d'une piece (au lieu de deux) pour reduire encore plus les moments appliques aux dalles lorsque celle-ci sont plus longues et plus lourdes.

Legal Status (Type, Date, Text)

Publication 20021212 A1 With international search report.

Publication 20021212 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:

Detailed Description  
Claims

English Abstract

...can be replaced with a pre-cast slab to be secured at the ends by **grouting**, welding or mechanical clamps. Similarly this same procedure can be applied to all four walls...

Detailed Description

... slab and since the floors are always covered, one way or another by means of **carpet** or **tile** that took care of the construction joints in the floors for good. As for the...protruding steel on each side into the hollow cylindrical cavities after filling each end with **grout**. A solid one way slab can be used (# 17). Or in a two way loading...

Claim

... least one of the floor and the ceiling comprises a precast panel adapted to be **grouted** to the slab portions.

15 A method of making a portion of a building by...

17/5,K/12 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00960731 \*\*Image available\*\*

**COMPOSITE MATERIAL FOR CONSTRUCTION AND METHOD OF MAKING SAME**

**MATERIAU COMPOSITE POUR CONSTRUCTION ET SON PROCEDE DE FABRICATION**

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Patent and Priority Information (Country, Number, Date):



Search Report from Ginger D. Roberts

Patent: WO 200294550 A1 20021128 (WO 0294550)  
Application: WO 2001US16451 20010521 (PCT/WO US0116451)  
Priority Application: WO 2001US16451 20010521  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GE GH HU ID IL IN IS JP KE KP KR KZ LK LR LT LU  
LV MA MD MG MX MZ NO NZ PL PT RO RU SD SE SG SI SK TR TT TZ UA UG UZ VN  
YU ZA  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
Main International Patent Class: B32B-003/02  
International Patent Class: B32B-003/26; B32B-007/08  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 12177

English Abstract

A composition for making a molded construction product, having one or more walls and an inner core section, including a composition matrix having a resin system, a catalytic agent, and filler compounds for forming the walls; a foam core system for forming the inner core section, a curing agent and a drying agent. The resin system is for providing mechanical and physical characteristics of hardness and rigidity to the exterior walls of the molded product, the resin system having a range of 5.00 % to 60.0 % by weight of the composition. The catalytic agent is for activating the reaction for the polymerization of the resin system, the catalytic agent having a range of 0.50 % to 30.00 T by weight of the composition. The filler compounds have a range of 5.0 % to 80.0 % by weight of the composition. The foam core system is for producing the inner core section having three-dimensional cross-linking and a core density of 3.5 pounds per cubic foot, the foam core system having a range of 5.0 % to 70.0 % by weight of the composition. The curing agent is for cross-linking of polymers within the resin system for forming the exterior walls to be hard, rigid, and infusible, the curing agent having a range of 10 ppm to 3.00 % by weight of the composition. The drying agent is for drying and binding of excessive moisture within the composition, the drying agent having a range of 10 ppm to 10.00 % by weight of the composition. A structural reinforcement support system is provided for reinforcing the structural integrity of the composition. A locking system is provided for joining one or more of the molded products.

French Abstract

L'invention porte sur une composition permettant de fabriquer un produit de construction moule constitue d'une ou plusieurs parois et d'une section centrale interne. Cette composition comprend une matrice (40) possedant un systeme de resine, un agent catalytique et des composes de charge (52) pour la formation des parois ; un systeme central de mousse (60) pour former la section centrale interne, un agent de durcissement et un agent dessiccatif. Le systeme de resine confere des caracteristiques mecaniques et physiques de durete et rigidite aux parois externes du produit moule. L'agent catalytique active la reaction de polymerisation du systeme de resine. Les composes de charge (52) renforcent les parois. Le systeme central de mousse (60) forme la section centrale interne ayant une reticulation tridimensionnelle et une densite de 3,5 livres par pied cube. L'agent de durcissement reticule les polymeres dans le systeme de resine pour durcir et rigidifier les parois externes et les rendre infusibles. L'agent dessiccatif seche et lie l'humidite excessive a la composition. Un systeme de support de renforcement structural (70) renforce l'integrite structurale de la composition. Un systeme de verrouillage (80) permet d'assembler un ou plusieurs produits moules.

Legal Status (Type, Date, Text)

Publication 20021128 A1 With international search report.

Main International Patent Class: B32B-003/02

Fulltext Availability:

Detailed Description

Claims

#### Detailed Description

... surfaces, textures and colors in replicating such construction products as wood, brick, cinder block, stone, **cement**, metal finishes, ceramic tile, stucco, roofing shingles, siding, marble flooring ...equivalents and combinations thereof.

III. Filler compounds include calcium oxide; 5.00% to calcium carbonate; **cement**; fly ash; fiberglass 80.0% fibers; metal shavings; metal oxides; polyester fibers; aluminum oxides; mica...described above, includes filler compounds selected from the group consisting of calcium oxide; calcium carbonate; **cement**; fly ash; fiberglass fibers; metal shavings; metal oxides; polyester ...of wood 21, brick 22, cinder block/mortarless building blocks 23, stone/marble facings 24, **cement** 25, ceramic tile 26 (interior and exterior), stucco 27, roofing shingles 28, sidings 29, marble...exterior wall surface 242 includes an exterior custom replicate surface 220 in the form of **cement** 25, as shown in Figure 9 of the drawings.

Circular side wall surfaces 246 and...surfaces, textures and colors in replicating such construction products as wood, brick, cinder block, stone, **cement**, metal finishes ceramic tile, stucco, roofing shingles, siding, marble flooring and the like.

Another advantage...

#### Claim

... accordance with Claim

4 wherein said filler compounds are selected from the group consisting of **cement**; metal shavings; metal oxides; polyester fibers; aluminum oxides; mica; perlite; zeolites; vermiculite; silica; silicates; #12...replicate custom surface is selected from the group consisting of wood, brick, cinder block, stone, **cement**, metal finishes, ceramic tile, stucco, roof shingles, siding and marble flooring.

B. A molded construction...replicate custom surface is selected from the group consisting of wood, brick, cinder block, stone, **cement**, metal finishes, ceramic tile, stucco, roof shingles, siding and marble flooring.

24 A molded construction...

17/5,K/13 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00940116

WATER- AND OIL-REPELLENCY IMPARTING URETHANE OLIGOMERS COMPRISING

PERFLUOROALKYL MOIETIES  
OLIGOMERES D'URETHANE HYDROFUGES ET OLEOFUGES COMPRENANT DES FRACTIONS  
PERFLUOROALKYLES

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200272657 A1 20020919 (WO 0272657)  
Application: WO 2001US49669 20011226 (PCT/WO US0149669)  
Priority Application: US 2001803702 20010309

Designated States: AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY  
BZ CA CH CN CO CR CU CZ CZ (utility model) DE DE (utility model) DK DK  
(utility model) DM DZ EC EE EE (utility model) ES FI FI (utility model)  
GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV  
MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SK (utility  
model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: C08G-018/38

International Patent Class: C08G-018/28; C08G-018/50; D06M-013/428;  
D06M-015/576

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 29488

English Abstract

Fluorochemical urethane compositions comprising one or more compounds or oligomers having at least one fluorine-containing repeatable unit and at least one fluorine-containing terminal group are described. The compositions are useful as coatings or incorporated as melt additives. The fluorochemical compositions impart oil and water repellency to the substrate. In other aspects, this invention relates to processes for imparting oil and water repellency characteristics to substrates and articles.

French Abstract

La presente invention concerne des compositions d'urethane fluorochimique comprenant un ou plusieurs composés ou oligomères possédant au moins une unité pouvant être répétée, contenant du fluor, et au moins un groupe terminal contenant du fluor. Lesdites compositions sont utiles comme revêtements ou incorporées comme additifs fondus. Lesdites compositions fluorochimiques permettent l'hydrofugation et l'oleofugation du substrat. Dans d'autres aspects, la présente invention concerne des processus conférant des caractéristiques d'hydrofugation et d'oleofugation aux substrats et aux articles.

Legal Status (Type, Date, Text)

Publication 20020919 A1 With international search report.

Search Report from Ginger D. Roberts

Publication 20020919 A1 Before the expiration of the time limit for  
amending the claims and to be republished in the  
event of the receipt of amendments.  
Examination 20021219 Request for preliminary examination prior to end of  
19th month from priority date

Fulltext Availability:  
Detailed Description

Detailed Description

... include, but are not limited to, glass, ceramic, masonry, concrete,  
natural stone, man-made stone, **grout**, metals, wood, plastics, and  
painted surfaces. Substrates can have flat or curved surfaces and may...

...made stones; decorative and paving stones; cement and stone sidewalks  
and driveways; articles that comprise **grout** or the finished surface of  
applied **grout**; wood furniture surface (desktops, tabletops); cabinet  
surfaces; wood flooring, decking, and fencing; leather; paper; fiber...

...the coating composition of the present invention are porous, hard  
substrates such as ceran-des, **grout**, masonry, concrete, natural stone,  
man-made stone, and wood. For these substrates, aqueous solutions of...  
and comparing their relative soiling levels. The test is conducted by  
mounting treated and untreated **carpet squares** on particle board,  
placing the samples on the floor of one of two chosen commercial...e., an  
untreated tile was evaluated for stain resistance).

For Comparative Example C17, Tile Lab **Grout** and Tile Sealer (another  
commercial masonry and stone treatment, available from Custom Building  
Products, Seal...co

C16 No treatment 35 5 5 5 5 5 5 5

C17 Tile Lab **Grout** and Tile Sealer 16 4 4 2 3 3 0 0

C18 FC-759 10...but with no fluorine-free diol to provide both terminal  
and pendant C4F9- groups. A **commercial carpet** treatment containing  
only terminal C8FI7-groups, FC1395, was also evaluated in comparative  
examples.

For Examples...

17/5,K/14 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00894831 \*\*Image available\*\*

**BONDING SYSTEM FOR PIPE INSULATION**

**SYSTEME DE LIAISON POUR ISOLATION DE TUYAUX**

Patent Applicant/Assignee:

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(Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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Legal Representative:

STOLTZ Melvin I (agent), 51 Cherry Street, Milford, CT 06460, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200228625 A1 20020411 (WO 0228625)

Application: WO 2001US30988 20011003 (PCT/WO US0130988)

Priority Application: US 2000237978 20001005

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

Search Report from Ginger D. Roberts

TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: B29D-023/00

International Patent Class: B32B-001/08; B32B-003/00; B32B-003/02

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8992

English Abstract

By providing an intermediate substrate(30), which has been treated with an adhesion promoter (31), as an integral component of the sealing system of a plastic product or an elongated, slit, thermoplastic or elastomeric tube (23), a cohesive bond is achieved in the sealing system which virtually eliminates opening of the plastic product or thermoplastic or elastomeric tube (23) without degradation of the material itself. The adhesion promoting agent (31) may comprise of a treatment for the intermediate substrate (30) or may comprise of a separate layer affixed to the substrate (30). As a result, a highly effective, easily employed, self-sealing closure/surement system for securely affixing two surfaces (21, 22) to each other is attained.

French Abstract

En fournissant un substrat intermediaire (30) qui a ete traite par un promoteur d'adherence (31), un composant integral du systeme d'etancheite d'un produit plastique ou d'un tube allonge, fendu, thermoplastique ou elastomere (23), on obtient une liaison cohesive dans le systeme d'etancheite, ce qui permet d'eliminer pratiquement l'ouverture du produit plastique ou du tube thermoplastique ou elastomere (23), sans alteration du materiau lui-meme. L'agent promoteur d'adherence (31) peut comprendre un produit d'un traitement pour le substrat intermediaire (30) ou peut comprendre une couche separee fixee sur le substrat (30). On obtient ainsi un systeme sur d'obturation auto-etanche, hautement efficace, d'emploi facile, en vue de realiser une fixation solide de deux surfaces (21, 22) l'une a l'autre.

Legal Status (Type, Date, Text)

Publication 20020411 A1 With international search report.

Examination 20020906 Request for preliminary examination prior to end of 19th month from priority date

...International Patent Class: B32B-003/02

Fulltext Availability:

Detailed Description

Detailed Description

... Some prior art systems incorporate external means, such as tape, glue, clips, 1 5 or **cement** to provide the desired adhesion between the slit surfaces. However, these systems are difficult to...

...the effectiveness of the insulation.

One of the principal difficulties encountered with prior art tape, **cement** and glue sealing systems is the inability of the slit to be completely sealed 100...

...to open. In addition, these tape systems are extremely expensive and add

additional labor costs.

**Cement** or glue is also widely used in the industry but is inherently laborintensive, time-consuming and messy in nature. Furthermore, the glue or **cement** material and application must be separately purchased and brought to each site for use.

In...

...walls of the slit. Although these constructions eliminate the need for external fasteners, tape, or **cement**, these systems have proven to be unable to solve all of the industry's problems...

17/5,K/15 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00820106 \*\*Image available\*\*

APPARATUS AND METHODS FOR IMPARTING GROUTED EDGE APPEARANCE TO FLOOR COVERINGS MODULES DURING INSTALLATION

APPAREIL ET PROCEDES PERMETTANT DE CONFERER UNE APPARENCE DE BORD JOINTOYE A DES MODULES DE REVETEMENT DE SOL PENDANT L'INSTALLATION

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US (Residence), US (Nationality)

Inventor(s):

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Legal Representative:

PRATT John S (et al) (agent), Kilpatrick Stockton LLP, Suite 2800, 1100 Peachtree Street, Atlanta, GA 30309-4530, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200153629 A1 20010726 (WO 0153629)

Application: WO 2001US2076 20010122 (PCT/WO US0102076)

Priority Application: US 2000177231 20000120

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: E04F-021/22

International Patent Class: D06C-025/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 2290

#### English Abstract

Device for imparting a "**grouted** edge" appearance to the face of a floor covering during the installation process. A hot air gun is mounted on a carriage that rests on the face of a field-cut flooring module or tile. The carriage is moved across the face of the module while a guide or guides attached to the carriage and contacting an edge of the tile maintain the lateral position of the hot air gun adjacent to the module edge so that a "**grouted** edge" appearance is produced.

#### French Abstract

L'invention concerne un dispositif destine a conferer une apparence de <=bord jointoye> a la face d'un revetement de sol pendant le processus

d'installation. Un pistolet a air chaud est monte sur un chariot reposant sur la surface d'un module de sol ou dalle de revetement de sol a decouper sur place. Le chariot est deplace a la surface du module alors qu'un ou plusieurs guides fixes au chariot et en contact avec le bord de la dalle maintiennent lateralement le pistolet a air chaud en position adjacente au bord du module de maniere a produire une apparence de jointoye>=.

Legal Status (Type, Date, Text)

Publication 20010726 A1 With international search report.

Publication 20010726 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20011115 Request for preliminary examination prior to end of 19th month from priority date

Correction 20021024 Corrected version of Pamphlet: pages 1/6-6/6, drawings, replaced by new pages 1/4-4/4; due to late transmittal by the receiving Office

Republication 20021024 A1 With international search report.

**APPARATUS AND METHODS FOR IMPARTING GROUTED EDGE APPEARANCE TO FLOOR COVERINGS MODULES DURING INSTALLATION**

Fulltext Availability:

Detailed Description

Claims

English Abstract

Device for imparting a " **grouted** edge" appearance to the face of a floor covering during the installation process. A hot...

...lateral position of the hot air gun adjacent to the module edge so that a " **grouted** edge" appearance is produced.

Detailed Description

APPARATUS AND METHODS FOR IMPARTING  
**GROUTED** EDGE APPEARANCE TO FLOOR  
COVERINGS MODULES DURING INSTALLATION  
CROSS REFERENCE TO RELATED APPLICATIONS  
This application...

...no. 60/177,23 1, filed January 20, 200 1, entitled "Hand Apparatus for Imparting **GROUTED** Edge Appearance to Tile Face Floorcoverings," which is incorporated herein by reference.

FIELD OF THE INVENTION

This invention relates to the manufacture and installation of **flooring**, particular including **modular textile** face **flooring** such as **flooring modules** having a **woven**, tufted, fusion bonded or other **textile** fiber face, and to the treatment of 1 5 such flooring to alter the appearance of portions of the flooring face, such as to impart the appearance of " **grout** " lines.

BACKGROUND OF THE INVENTION

Modular floor covering having a textile face layer, such as conventional **carpet tile** and the floor covering described in Patent Cooperation Treaty Patent Application No. PCT/US98/21487...

...edge of the modules that results, upon installation, in floor covering that appear to have " **grout** lines" **between** adjacent **modules** .  
Techniques for accomplishing such appearance during manufacture are disclosed in U.S. Provisional Patent Application...

...goods or in broadloom installations, it is desirable to be able to

impart such a **grouted** edge treatment to floor covering in the field during installation.

#### SUMMARY OF THE INVENTION

This invention makes it possible to impart a "**grouted** edge" appearance to the face of a floor covering in the field during installation of...

...relative to the floor covering.

Utilizing this invention to install floor covering modules with a "**grouted** 1 5 edge" appearance, installers install both full size modules manufactured with such an appearance...

...site to treat the module faces adjacent to the field-cut edges to match the "**grouted** edge" appearance of the manufactured edges.

#### BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is a side elevation view of a hand apparatus including a hot air gun for imparting a **grouted** edge appearance to floor coverings.

Figure 2 is a perspective view of the apparatus of...

#### Claim

... bearings.

19 A method of installing, on a building floor, floor covering modules having a "**grouted** edge" appearance, comprising:  
(a) installing on the building floor modules that can be positioned thereon...

...air gun mounted on a carriage proximate an edge of each cut module where a "**grouted** edge" appearance is desired, and, with the hot air gun on, moving the hot air...

17/5,K/16 (Item 6 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00812957 \*\*Image available\*\*

#### DRY ADHESIVE

#### ADHESIF SEC

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200146534 A1 20010628 (WO 0146534)

Application: WO 2000US41476 20001024 (PCT/WO US0041476)

Priority Application: US 99472393 19991223

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM



Main International Patent Class: E04B-002/00  
International Patent Class: E04F-013/00; B32B-005/18; B32B-005/24  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
    Detailed Description  
    Claims  
Fulltext Word Count: 3103

English Abstract

This composite (20) uses the bonding of PVC (22) to a variety of materials, from cloth to concrete (26), or, by the simple laying of the PVC (22) surface to the other surface (16) without the use of conventional wet, tacky, intermediate layer or layers of conventional adhesives. A simple preapplication of a chemical intermediate to the second surface in latex form and dried to a nontacky state is done. This is followed in any length of time thereafter with the simple contact of both surfaces, one to the other. A mild to aggressive tack bond, or a hard permanent joining of both surfaces is achieved. This bond is formed by the polar attraction of certain acrylics to the plasticizers in the PVC (22).

French Abstract

L'invention concerne un composite (20) qui utilise la liaison du PVC (22) a plusieurs matieres, allant du textile au beton (26), ou la simple pose de la surface du PVC (22) a l'autre surface (16) sans utilisation de couche(s) intermediaires habituelles mouillees et collantes d'adhesifs traditionnels. On effectue une simple preapplication d'un produit intermediaire chimique sous forme de latex a la seconde surface qui est sechee pour devenir non collante. Apres une duree indeterminee intervient la simple mise en contact des deux surfaces. On obtient une liaison collante douce a forte, ou un assemblage puissant et permanent des deux surfaces. Cette liaison est formee par l'attraction polaire de certains acryliques aux plastifiants dans le PVC (22).

Legal Status (Type, Date, Text)

Publication 20010628 A1 With international search report.

Examination 20011018 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:  
    Detailed Description

Detailed Description

... surface  
to the other. An example of this would be the installation of PVC backed **carpet** or **carpet tiles** over concrete or wood floors, wherein the floor preparation is often done ahead of time...or lesser degree.

The following examples further illustrate the invention.

Example I

We have adhered **carpet tiles** to wood or concrete by coating these substrates with Rhom & Haas RHOPLEX 261; MV 23...the foam layer. The next morning, we had a cushion ceramic tile floor ready for **grouting** with a flexible urethane mastic type **grout**.

The formula for the foam cushioning is as follows.

Oxy Chemical 67SF foam resin 1...few of these are sport surfaces, aerobic

mats,  
special industrial gasketing, carpet underlays, foamed back **commercial carpet**, foamed back **carpet tiles** and foamed back resilient flooring.

Although the now preferred embodiments of the invention have been...

17/5,K/17 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00793656 \*\*Image available\*\*

**PANELS UTILIZING A PRECURED REINFORCED CORE AND METHOD OF MANUFACTURING THE SAME**

**PANNEAUX UTILISANT UNE AME PREALABLEMENT DURCIE, RENFORCEE, ET PROCEDE DE FABRICATION CORRESPONDANT**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200126899 A1 20010419 (WO 0126899)

Application: WO 2000US27673 20001006 (PCT/WO US0027673)

Priority Application: US 99158621 19991008; US 2000188854 20000313

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: B32B-031/18

International Patent Class: B32B-001/06; B32B-003/12; **B32B-003/02**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8373

English Abstract

A mass transit flooring assembly including a plurality of sandwich panels. The sandwich panels (30) include a top skin (54), a bottom skin (58), a perimeter defining closeout (46), and a core (50) between the top (54) and bottom skin (58) and within the closeout perimeter (46). The closeout (46) includes mating surfaces used to connect adjacent panels. The core is a precured reinforced core including a plurality of phenolic ribs and foam strips positioned in an alternating fashion. The precured core is manufactured by impregnating a layer of fabric with phenolic resin between two foam cores and stacking in a similar alternating fashion to create a bun. After the bun is cured at a constant pressure and temperature and cooled, the bun is cut along a plane perpendicular to

the plane of the layers to provide a precured reinforced core panel ready to be inserted as a core in a sandwich panel.

French Abstract

L'invention concerne un ensemble de revetement de sols pour lieux publics tres frequentes comprenant plusieurs panneaux sandwich. Les panneaux sandwich (30) comportent une couche de revetement superieure (54), une couche de revetement inferieure (58), une enceinte definissant le perimetre (46) et une ame (50) entre la couche de revetement superieure (54) et la couche de revetement inferieure (58), et a l'interieur perimetre (46) de l'enceinte. Cette enceinte (46) comprend des plans de joint utilises pour relier les panneaux adjacents. L'ame est prealablement durcie, renforcee et comprend plusieurs nervures phenoliques et des bandes de mousse placees de facon alternee. L'ame prealablement durcie est fabriquee par impregnation d'une couche d'etoffe au moyen de resine phenolique entre deux ames de mousse et empile de la maniere alternee afin de creer une masse. La masse, une fois durcie a une pression et une temperature constantes et refroidie, est coupee le long d'un plan perpendiculaire au plan des couches afin de fournir un panneau a ame prealablement durci et renforce pret a etre insere en tant qu'ame dans le panneau sandwich.

Legal Status (Type, Date, Text)

Publication 20010419 A1 With international search report.

Examination 20010809 Request for preliminary examination prior to end of 19th month from priority date

...International Patent Class: B32B-003/02

Fulltext Availability:

Detailed Description

Detailed Description

... to flow and wet out the reinforcements. Reinforcements include such materials as glass, carbon or **synthetic polymer** fibers woven or stitched into fabrics or formed into dense mats of random fibers that...

17/5,K/18 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00787573

**COPPER COATED POLYIMIDE WITH METALLIC PROTECTIVE LAYER**

**POLYIMIDE RECOUVERT DE CUIVRE ET DOTE D'UNE COUCHE METALLIQUE PROTECTRICE**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200119602 A1 20010322 (WO 0119602)

Application: WO 2000US21564 20000808 (PCT/WO US0021564)

Priority Application: US 99397404 19990916

Designated States: CN DE GB JP KR

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: B32B-003/02

International Patent Class: B32B-015/20

Publication Language: English

Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 4664

English Abstract

A component for use in manufacturing printed circuits, comprising: a laminate that in a finished printed circuit constitutes a functional element, the laminate comprised of: a film substrate formed of a first polymeric material; at least one layer of a flash metal applied to a first side of the film substrate, and at least one layer of copper on the at least one layer of a flash metal, the layer of copper having an essentially uncontaminated exposed surface facing away from the at least one layer of flash metal; and a planar layer of metal that constitutes a discardable element, the layer of metal having an essentially uncontaminated surface that is inert to copper, the laminate being attached to the layer of metal at its borders to define a substantially uncontaminated central zone inwardly of the edges of the sheet that is unjoined at the interfaces.

French Abstract

L'invention se rapporte a un composant mis en oeuvre pour la fabrication de circuits imprimes et comportant un stratifie constituant un element fonctionnel dans un circuit imprime fini. Ledit stratifie est compose d'un substrat pelliculaire forme d'une premiere matiere polymere; d'au moins une couche d'un metal d'accrochage applique sur une premiere face du substrat pelliculaire, et d'au moins une couche de cuivre recouvrant ladite couche de metal d'accrochage, ladite couche de cuivre possedant une surface exposee sensiblement non contaminee qui est tournee a l'oppose de ladite couche de metal d'accrochage; et d'une couche plane de metal qui constitue un element pouvant etre mis au rebut. La couche de metal qui possede une surface sensiblement non contaminee est inerte au cuivre. Le stratifie est fixe a la couche de metal au niveau de la peripherie de cette derniere de maniere a definir une zone centrale sensiblement non contaminee disposee a l'interieur de la peripherie de la feuille qui n'est pas jointe au niveau des interfaces.

Legal Status (Type, Date, Text)

Publication 20010322 A1 With international search report.  
Publication 20010322 A1 With amended claims.  
Examination 20010412 Request for preliminary examination prior to end of 19th month from priority date  
Main International Patent Class: B32B-003/02  
Fulltext Availability:  
Claims

Claim

... of the flexible laminate according to the present invention. This product is comprised of an **epoxy resin** and is available in thicknesses of about 1 to 3 mils. The materials are provided...

17/5,K/19 (Item 9 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00777641 \*\*Image available\*\*

MODULAR FLOOR COVERING EDGE TREATMENT

TRAITEMENT DE COUVERTURE DES BORDS D'UN PLANCHER MODULAIRE

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Search Report from Ginger D. Roberts

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200111133 A1 20010215 (WO 0111133)  
Application: WO 2000US1717 20000125 (PCT/WO US0001717)  
Priority Application: US 99130795 19990423; US 99148043 19990804

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: D06C-025/00

International Patent Class: D06N-007/00; **A47G-027/02**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6457

English Abstract

**Textile fiber face modular flooring** having edges (70) treated to  
mimic the appearance of **grout between** installed **modules** (42) and  
methods and apparatus for producing such modules (42).

French Abstract

L'invention concerne un plancher modulaire en fibres textiles. Ce  
plancher presente des bords (70) traites pour presenter le meme aspect  
que le coulis de ciment entre des modules installes (42). L'invention  
concerne des procedes et un appareil pour produire ces modules (42).

Legal Status (Type, Date, Text)

Publication 20010215 A1 With international search report.

Examination 20010517 Request for preliminary examination prior to end of  
19th month from priority date

Correction 20020221 Corrections of entry in Section 1: under (30)  
add"60/130,795, 23 April 1999 (23.04.99), US"

Republication 20020221 A1 With international search report.

...International Patent Class: **A47G-027/02**

Fulltext Availability:

Detailed Description

Claims

English Abstract

**Textile fiber face modular flooring** having edges (70) treated to mimic the appearance of **grout between** installed **modules** (42) and methods and apparatus for producing such modules (42).

Detailed Description

... FLOOR COVERING EDGE TREATMENT

Field of the Invention

This invention relates to floor coverings, including **carpet** and **carpet tile** and resilient sheet and tile products such as vinyl flooring, and a machine and method...

...used for flooring. Many such products are installed with a cementitious material like mortar, called "**grout between modules**", and such **grouted** regions are quite prominent and substantially contribute to the appearance of the finished floor. Some resilient flooring such as vinyl flooring has long mimicked the appearance of tile modules with **grout between the tiles**, even in roll goods of substantial width having very few actual seams. However, textile face floor covering like **carpet** and **carpet tile** has generally sought to hide the seams between adjacent modules or other floor covering components, striving for "invisible" seams.

Floor covering, including **carpet**, is produced in **modular** or **tile** forms as well as in broadloom or roll goods. Substantial effort has been devoted to...

...on opposite sides of a seam to intermingle.

Additionally, carpet seams or the edges of **carpet tiles** are susceptible to fraying or raveling. Such fraying or raveling creates an unpleasant appearance and...

...clear demarcation between adjacent units, somewhat similar to the appearance of traditional ceramic tile with **grouted** regions between adjacent tiles.

Such border regions between **carpet** or other **textile** floor covering **tiles** or **modules** are created by treating a peripheral region around the entire module so that it is...portions of modules greatly decreases the noticability of the "seam" or demarcation between modules. This "**grouted edge treatment**" can be accomplished in a number of different ways, including "manual" and automated...

...adhesive. Treatment with energy and use of a hot melt adhesive can bond face fabric **fibers**, thereby consolidating the **fiber**. Hot melt adhesive on adjacent **tile** or **module** edges can be reheated after **tile** installation to bond adjacent tiles edge-to-edge and create a water-impervious floor covering as well as a **grout**-like appearance.

Such edge treatment could also potentially be accomplished by transferring color onto a...

...the treating device(s) past the module.

Relatively high speed production of modules having the **grouted** edge appearance of this invention may be accomplished by conveying a tile past treating stations...

...after rotating the tile 90 degrees.

In summary, possible techniques and devices for achieving the "**grouted edge treatment**" of this invention include.

- 1 . Ultrasonic etchers;
2. Lasers;
3. Hot air guns...impulse heating, radio frequency sealing or lasers are utilized to create a tile having a **grouted** appearance edge.

#### Brief Description of the Drawings

Figure I is a perspective view of treated...

...top plan views of an apparatus including conveyor belts and heat guns for producing a **grouted** appearance edge on modular flooring.

Figure 8 is an enlarged perspective view of a portion...

...of another embodiment of this invention showing an apparatus for providing a module having a **grouted** appearance edge tile including a textured surface that can be made in a variety of...

...invention depicted in Figure 9.

#### Detailed Description of the Invention

##### 1, Introduction

This invention provides **textile fiber** face **modular** and broadloom or roll goods **flooring** having edges treated with a "**grouted** -edge" appearance and machinery and methods for making the flooring. Alternatives for accomplishing this modular...

...illustrates a perspective view of several tiles 42 placed together. Each tile 42 has the "**grouted** edge treatment" 70. The treated edge 70 is represented in Figure I by the shaded...

...tiles 42. As shown in Figure 1, the tiles 42 are aligned such that the **edges** create a **grout** -like appearance **between** **tiles** .

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##### , Edge Treated Floor Covering Structure and Installation

##### A. Structure

Figure 2 shows a side be divided into four smaller tiles. Any of the "**grouted** edge" treatments described here could also be used to create patterns on the face of...

...surface a three dimensional appearance.

An alternative and or additional way of achieving the desired "**grouted** edge" treatment is to use additional "**grout** -like" material between adjacent edges of floor covering, such as conventional cementitious **grout** . Such filler materials may not necessarily be conventional **grout** but instead can be, for instance, hot melt adhesives, glue and a wide variety of...

...the same as, or compatible with the polymer(s) that form the floor covering. Such "**grouts** " can serve not only aesthetic functions but also utilitarian ones. They can bond the floor...

...a moisture impermeable floor covering and (2) hides the seam between tiles and enhances the **grout** -like appearance.

Both backing-to-backing and fabric-to-fabric bonding allows the glue gun or hot melt adhesive application to provide a tile with the **grout** -like **edge** appearance having the tile-to-tile bonded capabilities and moisture barrier.

#### 111. Techniques for Producing **Grouted** -Edge Appearance

The floor covering of this invention can be produced utilizing a wide variety...a small slot positioned adjacent to the tile 42 portion being treated to provide a **grout** -like appearance on the tile 42. Such a glue gun is available as a model...

...hundredths of an inch up to an eighth of an inch or more, providing a **grout** -like region of twice that width when two tiles are placed adjacent to each other...

...and polyamide resins.

#### C. Impulse Heating

Impulse heating may also be utilized to create a **grouted** appearance edge on a flooring module. The impulse heating apparatus includes a brass bar that...

...required to treat a module is a function of the pigments, depth and type of **carpet tile module** being treated.

Impulse heating may also be used on a flooring web in conjunction with... flocking material.

8

#### F. Lasers

In another embodiment, a laser is utilized to provide the **grout** -like **edge** appearance on flooring modules. Lasers can also be used to "engrave" more complex patterns on the tile, such as a broken "quarry tile" appearance, and to engrave "**grout** lines" in a middle portion of the tile making one tile look like many. A...

...tape or film, can be applied to the module before the laser treatment. Such a "**grouted** -edge" appearance can be accomplished using the techniques (described for other purposes) set forth in...

...GA. An suitable apparatus is disclosed in provisional patent application entitled "Hand Apparatus for Imparting **Grouted** Edge Appearance to Tile Face Floorcoverings," filed January 20, 2000 and is incorporated herein by this reference.

A **textile fiber face modular tile** or floorcovering 42 is treated with the hot air gun 29 that is moved along...compressed together. The compressed face yam is also depressed below the nontreated yam creating a "**grout** -like" appearance 70 when placed together with similarly treated tiles 42. Additionally, ink can be...

...show a top plan view of a production apparatus or machine 20 for imparting a **grouted** -edge appearance to **square** or rectangular **modular flooring**, such as a **carpet tile** or other **modules** having a **textile fiber** face. As ...of the tile 42, causing an indentation 78 in the tile 42, thereby creating a "**grouted**" edge appearance. Thus if two tiles 42, 44 having **grouted** edges of one eighth an inch in width are

12

positioned side-by-side, the total **grout** line appearance is about one quarter an inch.

The position and inclination of the heat...

...invention showing an apparatus 90 similar to apparatus 20 for providing a module having a **grouted** appearance edge tile including a textured surface that can be made in a variety of...move around the tile, treating the perimeter or other portions of the tile creating the **grout** -like



appearance edge .

While certain embodiments of this invention have been described above, these descriptions are given for...

Claim

1 An apparatus for creating a **grouted** edge appearance on a rectangular **flooring module** having a **textile fiber** face and two pairs of opposed edges, comprising:  
a first conveyor for advancing the module...

...the module past two more treating heads to treat two other opposed edges of the **carpet tile** .

2 The apparatus of claim 1, wherein each treating heads each comprises a heat source...

...an angle of the hot air gun is adjustable.

9 A method for imparting a **grouted** edge appearance to a flooring module comprising: moving the module and a treating head relative to each other.

I 10. A method for imparting a **grouted** edge appearance to a flooring module comprising:

15 conveying the module in a first direction module of claim 17, wherein the upper wear surface comprises **woven textile fibers** .

21 The **flooring module** of claim 17, wherein the upper wear surface comprises a pile **carpet** structure.

22 The **flooring module** of claim 19, wherein the glue gun is utilized to apply glue to an edge...

...bonds to provide a bonded moisture resistant floor covering.

24 An apparatus for creating a **grouted** edge appearance on an edge of a **flooring module** having a **textile fiber** face, comprising:  
a treating unit; and  
a conveyor for moving one of the module or...

...die coater, an embosser, and a laser.

1 7

29 An apparatus for creating a **flooring module** of **textile fiber** face having edges different in appearance from the remainder of the face, comprising a treating unit for treating the edges that remains stationary relative to a moving **module** .

30 An apparatus for creating a **flooring module** of **textile fiber** face having edges different in appearance from the remainder of the face, comprising a rotating treating unit that moves to treat the edges of the **flooring module** .

31 An apparatus for creating a **flooring module** of **textile fiber** face having edges different in appearance from the remainder of the face, comprising multiple energy sources that simultaneously treat each edge of the **module** .

32 An apparatus for creating a **flooring module** of **textile fiber** face having edges different

in appearance from the remainder of the face comprising:  
a module...

...such that the energy sources can treat the second set of opposed edges  
of the **module** .

33 An apparatus for creating a **flooring module** of **textile fiber**  
face having edges different  
in appearance from the remainder of the face comprising:  
multiple energy...

...abutting edges.

35 A method for changing the appearance of an edge portion of a **flooring**  
**module** having a **textile fiber** face, comprising transferring energy  
to the edge portion.

1 8

. The method

17/5,K/20 (Item 10 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00758475 \*\*Image available\*\*

**TRIM FOR HIGH PRESSURE LAMINATE AND OTHER DECORATIVE FLOOR COVERINGS**  
**FINITION POUR STRATIFIE HAUTE PRESSION ET POUR D'AUTRES REVETEMENTS DE SOL**  
**DECORATIFS**

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200071829 A1 20001130 (WO 0071829)

Application: WO 2000US14576 20000525 (PCT/WO US0014576)

Priority Application: US 99135716 19990525; US 2000547150 20000411

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC

LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK

SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: E04C-002/38

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 2566

English Abstract

A plastic trim strip (10) for use with high pressure plastic laminate

(HPL) modules (14) or other decorative modules used on access flooring (16). The strip is extruded polyvinyl chloride or other polymeric or other material such as decorative metals such as brass or aluminum. The cross sectional shape of the strip (10) is generally rectangular with a rectangular tab (20) that protrudes from one of the narrow edges of the rectangle, is thinner than the height of the strip (10), and has one surface flush with the bottom of the strip (10). A portion of the edge of the HPL (14) or other floor covering with which the strip (10) is used, and having the same shape as the tab (20), is routed or otherwise removed from the floor covering. The protruding tab (20) of the trim strip (10) is then "captured" within this rabbet (18) with or without adhesive, thereby securely engaging the trim strip (10) when the floor covering is installed on or bonded to the access flooring structure (16).

French Abstract

Baguette de finition (10) en plastique destinee a etre utilisee avec des modules (14) de stratifie haute pression en plastique ou avec d'autres modules decoratifs utilises sur des revetements de sol (16). La baguette est en chlorure de polyvinyle extrude ou en une autre matiere polymere ou bien elle est realisee dans un autre materiau tel que des metaux decoratifs comme le laiton ou l'aluminium. La forme en coupe transversale de la baguette (10) est globalement rectangulaire avec une languette rectangulaire (20) qui: depasse d'un des petits cotes du rectangle, est plus mince que la hauteur de la baguette (10) et qui comporte une surface affleurante avec la partie inferieure de la baguette (10). Une partie du bord du stratifie (14) plastique haute pression ou d'un autre revetement de sol avec lequel on utilise la baguette (10), et qui a la meme forme que la languette (20), est entailee ou eliminee d'une autre maniere du revetement de sol. La languette saillante (20) de la baguette (10) de finition est ensuite "logee" dans cette rainure (18) avec ou sans adhesif, ceci ayant pour effet de bloquer la baguette (10) de finition lorsque le revetement de sol est installe sur la structure (16) de revetement de sol ou colle sur cette derniere.

Legal Status (Type, Date, Text)

Publication 20001130 A1 With international search report.  
Publication 20001130 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.  
Examination 20010412 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:  
Detailed Description

Detailed Description  
... floor surface.

These panels often incorporate or are covered by decorative materials such as carpet. **carpet** 1 5 **tiles**, solid vinyl, or high pressure plastic laminate ("HPL"). When such materials are used, it is...

...to surround modules of such materials with contrasting materials to provide a "trimmed edge" or **grouted** appearance. For instance, U.S. Patent Number 4,625,491 for an "Elevated Floor Panel..."

17/5,K/21 (Item 11 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00740548 \*\*Image available\*\*

**FREE LAY CERAMIC TILE FLOORING SYSTEMS AND METHODS**  
**SYSTEMES ET PROCEDES DE POSE DE CARRELAGE CERAMIQUE LIBRE**

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Street, Atlanta, GA 30309, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200053865 A1 20000914 (WO 0053865)  
Application: WO 2000US6268 20000310 (PCT/WO US0006268)  
Priority Application: US 99123884 19990311

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: E04F-015/14

International Patent Class: E04F-015/22

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 2206

English Abstract

A free lay flooring system including a base matrix (12) for securing a replaceable wear surface (14) to a floor or subfloor. The base matrix includes a plurality of flooring recesses (16) sized to receive the replaceable wear surface. Ceramic tile, carpet, carpet tile, fabric, vinyl flooring and wood are a sample of materials suitable as the replaceable wear surface (14). When viewed from above, the base matrix (12) and replaceable wear surface (14) appear as a "grout-less" tile flooring structure.

French Abstract

L'invention concerne un systeme de pose de carrelage libre comprenant une matrice de base (12) pour fixer une surface d'usure (14) remplaçable sur un sol ou sur un support de sol. La matrice de base comprend plusieurs évidements (16) de revêtement concus pour recevoir la surface d'usure remplaçable. Des revêtements en carreaux de ceramique, moquette, dalles de moquette, tissu, vinyle et bois constituent des exemples de matériaux adéquats pouvant servir de surface d'usure (14) remplaçable. Vues de dessus, la matrice de base (12) et la surface d'usure (14) remplaçable présentent l'aspect d'une structure de carreaux de revêtement "sans coulis".

Legal Status (Type, Date, Text)

Publication 20000914 A1 With international search report.

Publication 20000914 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20001102 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description  
Claims

English Abstract

...includes a plurality of flooring recesses (16) sized to receive the replaceable wear surface. Ceramic **tile**, **carpet**, **carpet tile**, fabric, vinyl flooring and wood are a sample of materials suitable as the replaceable wear...

...viewed from above, the base matrix (12) and replaceable wear surface (14) appear as a "**grout** -less" tile flooring structure.

Detailed Description

... ceramic tile flooring systems and methods.

BACKGROUND OF THE INVENTION

Typical floor coverings include ceramic **tile**, **carpet**, wood flooring or other materials that cover a floor or subfloor. Ceramic tile provides a...

...installing ceramic tile requires an investment in labor and materials, such as, cutting devices, adhesive, **grout**, and of course, ceramic tiles. Further, a relatively level floor or subfloor is necessary for...

...recess. The replaceable wear surface may include a variety of flooring surfaces such as ceramic **tile**, **carpet**, **carpet tile**, fabric, vinyl flooring, wood, and a variety of other materials.

A plurality of base matrices...

...be efficiently installed.

Objects of this invention include.

To provide systems and methods for a "**grout** -less" ceramic tile flooring structure.

To provide systems and methods for a free lay flooring...

...within the flooring recess 16, appears as a flooring surface of ceramic tile surrounded by **grout**. Yet this invention provides for a "**grout** -less" ceramic tile flooring structure.

Preferably, the base matrix 12 has a thickness of about...

...The replaceable wear surfaces 14 may be a variety of flooring surfaces such as ceramic **tile**, **carpet**, **carpet tile**, fabric, vinyl flooring, a **carpet tile** 24 is shown in Fig. 4. Fig. 4 shows the **carpet tile** 24 without a backing however this invention envisions a backing positioned between the **carpet tile** 24 and the base matrix 12. In the embodiment shown in Fig. 4, the **carpet tile** 24 is flush mounted within the flooring recess 16 at a level even with the divider partitions 18. In an alternative embodiment, the **carpet tile** 24 may extend I 0 outwardly from the base matrix 12 above the level of...

Claim

... claim 1, wherein the replaceable wear surface is selected from the group consisting of-.  
ceramic **tile** ;  
**carpet** ;  
**carpet tile** ;

fabric;  
vinyl flooring;  
7  
wood; and  
other floor covering materials. 1 6. The free lay...

...3 surface disposed in the flooring recess appear as a flooring surface surrounded by 4 grout . I 8. The free lay flooring system of claim 2, wherein the replaceable wear surface...

...The free lay flooring system of claim 3, wherein the replaceable wear surface comprises a carpet tile .

15 The free lay flooring system of claim 14, wherein the carpet tile further comprises a backing layer positioned between the carpet tile and the base matrix.

16 The free lay flooring system of claim 14, wherein the carpet tile is flush mounted within the flooring recess at a level even with the divider partitions.

17 The free lay flooring system of claim 14, wherein the carpet tile extends outwardly from the base matrix above a level of the divider partitions.

18 A...

...the placing a replaceable wear surface in each flooring recess is performed with a carpet tile comprising the replaceable wear surface.

I 0  
/O  
12  
16  
18  
8  
12 12 12...

17/5,K/22 (Item 12 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00506518 \*\*Image available\*\*

**METHOD AND APPARATUS FOR CONSTRUCTING SUSPENDED CONCRETE FLOORS AND ROOFS  
PROCEDE ET APPAREIL PERMETTANT DE CONSTRUIRE DES PLANCHERS ET DES  
COUVERTURES SUSPENDUES EN BETON**

Patent Applicant/Assignee:

PARDO Jorge,

Inventor(s):

PARDO Jorge,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9937870 A1 19990729

Application: WO 99US1200 19990121 (PCT/WO US9901200)

Priority Application: US 9812033 19980122

Designated States: AL AU BA BB BG BR CA CN CU CZ EE GD GE GH GM HR HU ID IL  
IN IS JP KE KP KR LC LK LR LS LT LV MG MK MN MW MX NO NZ PL RO SD SG SI  
SK SL TT UA UG UZ VN YU ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK  
ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE  
SN TD TG

Main International Patent Class: E04C-001/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8142

English Abstract

A horizontal diaphragm for the generation of floor and roof structures includes a plurality of construction units (16) arranged in rows and integrated joists (12) by clip ties (14), wherein a load transferring material (46) fills spaces between adjacent construction units in a row, both transversely and longitudinally. Each construction unit includes a lip (36) projecting toward an adjacent unit in the row and defining with the other construction unit a space for receiving the filler material. The clip ties (14) are anchored in the joists (12) and are movable from a position obstructing the placement of additional construction units on the joists to a position integrating the previous construction unit with the joists. The joists comprise U-shaped troughs filled with **grout** (22) in which the clip ties are anchored at spaced locations. The structure defining the trough can be monolithic or can comprise a plurality of discrete units (20) placed in alignment and connected by reinforcing bars (56). The joists themselves can be monolithic, integrating the troughs and the **grout** around the reinforcement.

French Abstract

La presente invention concerne un diaphragme horizontal destine a la construction de structures de plancher et de couverture, lequel diaphragme est compose de plusieurs unites de construction (16) agencees en rangees et de solives (12) integrees par des epingles clipsables (14), un materiau de transfert de charge (46) remplissant les espaces entre unites de construction adjacentes d'une meme rangee, transversalement et longitudinalement. Chaque unite de construction comprend une levre (36) projetee en direction d'une unite adjacente de la meme rangee et definissant avec l'autre unite de construction un espace qui recevra la matiere de charge. Les epingles clipsables (14) sont ancrees dans les solives (12) et elles peuvent etre deplacees d'une position dans laquelle elles empechent le placement d'unites de construction supplementaires sur les solives, jusque dans une position dans laquelle elles integrent l'unite de construction precedente sur les solives. Les solives sont constituees de profiles en U remplis d'un coulis (22) dans lequel les epingles clipsables sont ancrees a emplacements fixes. La structure definissant le profile peut etre monolithique ou bien elle peut etre composee de plusieurs unites distinctes (20), alignees et reliees entre elles par des barres d'assemblage (56). Les solives peuvent etre faites d'une piece, les profiles et le coulis etant integres autour de l'armature.

Fulltext Availability:

Detailed Description

Claims

English Abstract

...the previous construction unit with the joists. The joists comprise U-shaped troughs filled with **grout** (22) in which the clip ties are anchored at spaced locations. The structure defining the...

...by reinforcing bars (56). The joists themselves can be monolithic, integrating the troughs and the **grout** around the reinforcement.

Detailed Description

... against one another (beam action) , stress concentrations are avoided by the presence of a plastic **grout** substance in the joints between adjacent units which accommodates the irregularities of fabrication.

In order to provide-interstices between adjacent coffer-units and thereby assure the ingress of the plastic **grout** substance **interstitially** between the coffers in order to fill all the spaces around any projections caused by...

...unit to form the joint interstices and...to provide a surface for containing the plastic **grout** substance prior to curing. Accordingly, stress concentrations in the coffer units are avoided, as forces are uniformly distributed and transmitted through the **grout** filler.

The joists are formed with a predetermined amount of camber so that the weight...

...not project above the floor surface once the interstices between adjacent units are filled with **grout**. The coffer units have arched lower surfaces, so that a row of the units defines...contain tensile reinforcement, such as reinforcing bars, and to receive a filling of a plastic **grout** fill or bonding substance 22, such as concrete, to protect the reinforcement and to transmit...

...dimension of a coffer unit 16, anchored to the tensile reinforcement, and embedded in the **grout** fill 22. The clip ties 14 become integral parts of the joists 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 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2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2



lips 36 are present to provide a surface to support the **grout** in the interstices 44 between adjacent coffer units 16. it is possible that a little of the **grout** 46 will drop through small spaces between the lips 36 and the adjacent front surfaces 24 before the **grout** hardens but not enough to present a problem in practical terms. The, compression forces between adjacent coffer units 16 are distributed and transmitted by the **grout** . As a result, no stress concentrations can occur in the coffer units 16.

- As can...

...section defining a cambered trough to receive the longitudinal tension reinforcement and a fill of **grout** 22, which are anchored in the trough. The Clip ties 14, which are anchored in...

...62 through the action of the hook and the embedment of the assembly in the **grout** fill 22 so as to transmit tension forces from the joist reinforcing bars 56 to...remaining empty after the connections between the reinforcing bars are made are filled with the **grout** 22.

A plurality of the notches Go can be formed in a supporting wall or...

...the trough and extending longitudinally along the trough. The dimple 79 serves to key the **grout** 22 to the U-shaped block 20, so that the **grout** and the block act as a unit. The reinforcing bars 56 are positioned in the...

...reinforcing bars correctly, as shown in Fig. 8, and the trough is filled with the **grout** 22. The cementitious **grout** 22 also fills U-shaped pockets defined by the U-shaped surface 76 and the...

...spaces resulting from an imprecise fit at the interfaces between adjacent blocks 20. When the **grout** 22 cures in these pockets and spaces, it is capable of transmitting compression forces between...of desired lengths. The U-shaped recesses defined by the surfaces 76 and 78 enable **grout** to penetrate between adjacent members of the joists in a manner similar to that of...82 extends over and is onto the shoulders 34 of the coffer units 16, and **grout** is poured into the interstices 42 and 44 between the coffer units, thereby totally enveloping...through them. It is contemplated that the joists will most likely be completely assembled and **grouted** at the factory. This helps assure that workers in the field will not omit clips...

...er units 16 are put in place, recesses around the coffer units are **grouted** flush with the top surfaces of the coffer units for a completed floor or roof...

...the case may be. The joint interstices around the coffer units 16 are filled with **grout** , which in turn is vibrated with either a pencil-type or plate-type vibrator.

In...

Claim

... defined between adjacent construction units

I I

above said lips, the concrete diaphragm further comprising  
**grout** filling said interstices.

The building diaphragm of claim 7, wherein said  
means for structurally tying...ties, in their second positions,  
terminate below said top surfaces of said construction units,  
and **grout** fills the volumes below said surfaces of said  
shoulders and said upper surfaces of said...

17/5,K/23 (Item 13 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00504592 \*\*Image available\*\*

**ANCHOR SHEET AND ANCHOR SHEET MODULE**

**PLANCHE DE FIXATION ET MODULE CONSTITUANT CETTE PLANCHE**

Patent Applicant/Assignee:

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TAC-FAST SYSTEMS CANADA LIMITED,  
PACIONE Joseph R,

Inventor(s):

PACIONE Joseph R,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9935944 A2 19990722

Application: WO 99CA15 19990111 (PCT/WO CA9900015)

Priority Application: US 988565 19980116

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU

LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA

UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM

AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM

GA GN GW ML MR NE SN TD TG

Main International Patent Class: A47G-027/04

International Patent Class: D06N-007/00; E04F-021/18

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 13743

English Abstract

This application discloses a relatively thin flexible anchor sheet for  
installation under carpets or other decorative coverings and a covering  
module composed of a pre-attached decorative covering and anchor sheet  
which can be assembled by overlapping hook and loop attachment to an  
additional covering **module** to create a complete floor covering of  
**carpet** , **tile** , stone or other material and without substantial  
attachment to a floor.

French Abstract

Cette invention porte sur une planche de fixation relativement flexible  
destinee a etre installee sous des tapis ou autres revetements  
decoratifs, et sur un module de revetement constitue d'un element de  
revetement decoratif prefixe et d'une planche de fixation qui peuvent  
etre assemblees en faisant chevaucher un ensemble de fixation a boucles et  
crochets sur un module de revetement supplementaire de facon a creer un  
revetement de sol complet constitue de tapis, tuiles, pierres ou autre  
materiau sans qu'il soit fixe solidement au plancher.

Fulltext Availability:  
Detailed Description  
Claims

English Abstract

...sheet which can be assembled by overlapping hook and loop attachment to an additional covering **module** to create a complete floor covering of **carpet** , **tile** , stone or other material and without substantial attachment to a floor.

Detailed Description

... preferably of plastic or other polymer, for detachable attachment of a decorative covering such as **carpet** , ceramic, **tile** , hardwood, marble or a wall covering to an underlying rigid supporting substrate, such as the...22 shows another arrangement of the modular surface covering representing a decorative pattern with artificial **grout** separating **carpet tiles** .

Figure 23 shows a decorative pattern separator for use in the arrangement of Figure 22...unfinished floor, the anchor sheet is ready to receive any combination of decorative pieces, either **carpet** , **tile** , ceramic, wood, etc., which can be installed by hook and loop. An unlimited array of... Trimming of modular pieces can be easier than having to deal with roll goods or **modular** units which combine an anchor **sheet** and decorative covering.

COVERING MODULES

As shown in Figure 13, anchor **sheets** 89 can be made in smaller **modules**

Decorative covering such as **carpet** pieces 91, can be, for instance, **carpet tiles** , and if they are laid in overlapping relationship as shown in Figure 13, a contiguous...120 and 122 and helps to tie those anchor sheets together. If the tile is **carpet tile** , then **tiles** such as 1 1 41 116 and others including centre tile 124 can be formed by dye cuffing of a larger carpet piece. In this case " **grout** " shaped spacing pieces 126 as shown in Figure 23 are formed. If other carpets of and also by an insert or " **grout** " 126 as shown in Figure 23, which has not yet been installed in the arrangement...

...116 and medallion 124 is less than shown in Figure 22, and then a resilient **grout** , such as rubber caulking, could be friction fit into the space between the tiles to simulate real **grout** or the rubber caulking could be provided as an elastic band of a size to...

...tile before the covering modules such as 1 1 0 are assembled. Additionally even real **grout** could be used directly into the space between the tiles.

The anchor sheet and covering...

Claim

... of claim 1 in which there is provided an additional overlap area of exposed anchor **sheet** along a second edge of the **carpet module** .

10 The covering module of claim 2 in which there is provided an additional overlap...

17/5,K/24 (Item 14 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00493879    \*\*Image available\*\*

**SHOCK ABSORBING CARPET SYSTEM**

**SYSTEME DE TAPIS AMORTISSEUR**

Patent Applicant/Assignee:

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Inventor(s):

KANTER Ray D,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9925231 A1 19990527

Application: WO 98US24454 19981117 (PCT/WO US9824454)

Priority Application: US 97971524 19971117

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD

MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ

VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH

CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW

ML MR NE SN TD TG

Main International Patent Class: A47G-027/00

International Patent Class: B29C-065/00; B32B-003/02 ; B32B-003/10;

B32B-005/00; B32B-023/02; B32B-031/00; B32B-033/00; B60R-013/01;

D03D-027/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 2157

**English Abstract**

A carpet mat assembly (1) with shock absorbing properties includes a mat (2) made of closed cell foam sections. The mat sections (2) are sized to be readily portable, preferably 4ft by 6ft in size. The mat (2) thickness is selected to conform to ASTM F 1292-96. Preferably, the mat (2) thickness is 1 1/8" thick. The mat (2) section is coated with a pressure sensitive adhesive (4) covering on one side (3) of the mat (2). The pressure sensitive adhesive (4) is covered with a removable liner. The liner is removed to expose the pressure sensitive adhesive (4). Carpet (5) is applied to the coated surface of the mat (2) and the pressure sensitive adhesive (4) bonds the carpet (5) to the mat (2). The outer perimeters (7) of each mat (2) may be lined with 3M Velcro(R) (8) for attaching multiple sections (2) of the carpet mat assembly (1) securely together. On the outer perimeter (7) of mat sections (2) not joined to other mat sections (2), an edge molding (9) preferably made from the same closed cell foam, may be attached to the mat (2) with a contact adhesive, or by other means. The completed assembly (1) provides a floor or ground surface for playgrounds, schools, childcare centers, martial arts, gymnasiums or other areas where shock absorbing surfaces are required.

**French Abstract**

L'invention concerne un ensemble matelas-tapis (1) amortisseur, qui comprend un tapis (2) constitue de parties en mousse cellulaire fermee. Ces parties (2) ont une taille qui les rend facilement portables, a savoir de preference 4 pieds sur 6 pieds. L'epaisseur du matelas (2) est choisie pour correspondre a la norme ASTM F 1292-96. De preference, cette epaisseur est de 1 1/8 pouce. Chaque partie est dotee d'un revetement adhesif autocollant (4) sur un cote (3), lequel est revetu d'une garniture amovible. On retire cette garniture de maniere a exposer le revetement adhesif autocollant (4). Le tapis (5) est applique sur la surface revetue du matelas (2), et le revetement adhesif autocollant (4) assure la liaison entre le tapis (5) et le matelas (2). Les pourtours (7) de chaque matelas (2) peuvent etre garnis de Velcro(R) 3M (8), ce qui permet de fixer solidement entre elles plusieurs parties (2) de

l'ensemble matelas-tapis (1). Sur le pourtour (7) des parties de matelas (2) non rattachees a d'autres parties de matelas (2), une moulure de bord (9) de preference en meme mousse cellulaire fermee peut etre fixee au matelas (2) via un adhesif de contact ou par d'autres moyens. L'ensemble acheve (1) constitue une surface au plancher ou au sol pour les terrains de jeu, les ecoles, les centres de puericulture, les centres d'arts martiaux, les gymnases ou autres installations necessitant des revetements amortisseurs.

...International Patent Class: B32B-003/02

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... an attachment to the lower portion and an adhesive upper portion for attachment to a **carpet tile**. The upper portion is protected by a release paper, which is removed before installation.

In...9 can be permanently attached to mat section 2 and carpet 5, with a contact **cement** or other adhesive.

FIG. 2 is a top view of a shock absorbing carpet mat...

...11 of the multiple sections 10 can have edge molding 9 attached, preferably with contact **cement**. Preferably the **edge** molding is of closed cell foam, similar or identical to the mat 2. Preferably, Velcro ...am further disclosing the method of manufacturing a carpet mat assembly steps of applying contact **cement** to one side of a closed cell foam mat having shock damping properties and having...

...adhesive.

Preferably, the method includes the additional steps after the step of applying the contact **cement** of applying a removable liner to the contact **cement**, and removing the removable liner prior to applying the carpet to the mat.

Although elements...

Claim

... into a unit.

12 The method of manufacturing a carpet mat assembly comprising: applying contact **cement** to one side of a closed cell foam mat having shock damping properties and having...

...The method of claim 12 having additional steps after the step of applying the contact **cement** :  
applying a removable liner to the contact **cement**, and  
removing the removable liner prior to applying the carpet to the mat.

14 The...

17/5,K/25 (Item 15 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00412643 \*\*Image available\*\*

**COVERING MODULE AND ANCHOR SHEET**  
**MODULE DE REVETEMENT ET FEUILLE D'ANCRAGE**

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Inventor(s):

PACIONE Joseph Rocco,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9803104 A1 19980129

Application: WO 97CA522 19970721 (PCT/WO CA9700522)

Priority Application: US 96684004 19960719; US 97850726 19970502

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW

MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US US UZ VN GH KE

LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB

GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: **A47G-027/02**

International Patent Class: A47G-27:04

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9810

**English Abstract**

A relatively thin flexible anchor sheet (21, 31) for installation under carpets or other decorative coverings and a covering module (19, 21) composed of a pre-attached decorative covering (19) and anchor sheet (21) which can be assembled by overlapping hook and loop attachment to an additional covering module (31, 29) to create a complete floor covering of **carpet**, **tile**, stone or other material and without attachment to a floor. Also a temporary hook covering (27) to prevent premature attachment of the hook and loop attachment is disclosed.

**French Abstract**

Cette invention se rapporte a une feuille d'ancrage (21, 31) souple relativement fine concue pour etre installee sous des moquettes ou autres revetements decoratifs, ainsi qu'a un module de revetement (19, 21) compose d'un revetement decoratif (19) et d'une feuille d'ancrage (21) pre-attaches, que l'on peut assembler en superposant un dispositif d'accrochage a boucles et crochets a un module de revetement supplementaire (31, 29) de facon a creer un revetement de sol complet compose de moquette, carreaux, pierre ou autre materiau et ce, sans qu'il soit necessaire de le fixer au sol. L'invention se rapporte egalement a un revetement a crochets temporaire (27) utilise pour eviter la fixation prematuree du dispositif d'accrochage a boucles et crochets.

Main International Patent Class: **A47G-027/02**

Fulltext Availability:

Detailed Description

Claims

**English Abstract**

...attachment to an additional covering module (31, 29) to create a complete floor covering of **carpet**, **tile**, stone or other material and without attachment to a floor. Also a temporary hook covering...

**Detailed Description**

... an anchor sheet, preferably of plastic, for detachable attachment of a decorative covering such as **carpet**, ceramic, **tile**, hardwood, marble or a wall covering to an underlying rigid supporting substrate, such as

the...22 shows another arrangement of the modular surface covering representing a decorative pattern with artificial **grout** separating **carpet tiles** .

Figure 23 shows a decorative pattern separator for use in the arrangement of Figure 22...made in smaller modules.

Decorative covering such as carpet pieces 91, can be, for instance, **carpet tiles** , and if they are laid in overlapping relationship as shown in Figure 13, a contiguous...hook covering to the floor.

Shown in Figures 22, 23, and 24 is an additional **carpet** or ceramic **tile** pattern using covering **modules** 1 10 such as shown in Figure 24. Such covering modules consist of an anchor...

...120 and 122 and helps to tie those anchor sheets together. If the tile is **carpet tile** , then **tiles** such as 1 14 9 116 and others including centre tile 124 can be formed by dye cutting of a larger carpet piece. In this case " **grout** " shaped spacing pieces 126 as shown in Figure 23 are formed. If other carpets of...flooring, such as marble, intact for later use, but to temporarily cover such flooring with **carpet** or **tile** .

1 0 While certain embodiments of the invention have been disclosed, it is intended to...

#### Claim

... of claim 1 in which there is provided an additional overlap area of exposed anchor **sheet** along a second edge of the **carpet module** .

10 The covering module of claim 2 in which there is provided an additional overlap...

17/5,K/26 (Item 16 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00348829

#### A COVERED ROLL AND A METHOD FOR MAKING THE SAME CYLINDRE REVETU ET PROCEDE DE FABRICATION DE CE CYLINDRE

Patent Applicant/Assignee:

STOWE WOODWARD LICENSCO INC,

Inventor(s):

PAASONEN Jan Anders,

YLISELA Seppo Antti,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9631342 A1 19961010

Application: WO 96US4668 19960404 (PCT/WO US9604668)

Priority Application: US 95418421 19950406

Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU

IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD

SE SG SI SK TJ TM TT UA UG UZ VN KE LS MW SD SZ UG AT BE CH DE DK ES FI

FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: **B32B-003/02**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9259

#### English Abstract

Covered rolls (10) having reduced residual stresses through the

inclusion of one or more intermediate compressive layers (12) and the method for manufacturing are disclosed. In one embodiment, the intermediate compressive layer (12) comprises a three-dimensional fabric that is filled preferably with a thermoset resin system which cures at lower temperature than the cover. In a second embodiment, the precise amount of shrinkage in the roll (10) is predetermined to a high enough degree of accuracy so that a depth for the fabric layer can be used to compensate for the amount of shrinkage, thereby eliminating the need for filling. In a third embodiment, the compressive layer (12) is comprised of a meltable material wherein said material melts at cure temperatures. The resulting cavity is then filled with a thermoset resin. The problems caused by chemical and thermal shrinkage are further reduced through a method based on applying a polymeric cover layer (11) over one or more intermediate compressive layers (12), curing at an elevated temperature, and, allowing the cover (11) to shrink during curing or hardening.

#### French Abstract

L'invention concerne des cylindres revetus (10) dont les contraintes residuelles sont reduites par l'inclusion d'une ou de plusieurs couches intermediaires de compression (12). En outre, l'invention traite du procede de fabrication de ces cylindres. Dans un mode de realisation, la couche intermediaire de compression (12) comprend un tissu tridimensionnel qui est rempli, de preference, d'un systeme de resine thermodurcissable qui durcit a une temperature inferieure a celle du revetement. Dans un deuxieme mode de realisation, la quantite precise de retrait dans le cylindre (10) est determinee avec un grand degre de precision, de sorte qu'une profondeur pour la couche de tissu peut etre utilisee pour compenser la quantite de retrait, ce qui supprime la necessite d'un remplissage. Dans un troisieme mode de realisation, la couche de compression (12) se compose d'un materiau pouvant fondre a des temperatures de durcissement. La cavite obtenue est ensuite remplie d'une resine thermodurcissable. Les problemes dus au retrait chimique et thermique sont encore reduits par un procede fonde sur l'application d'une couche de couverture de polymere (11) sur une ou plusieurs couches de compression intermediaires (12), durcissant a une temperature elevee, et permettant au revetement (11) de se retracter pendant la cuisson ou le durcissement.

Main International Patent Class: B32B-003/02

Fulltext Availability:

Detailed Description  
Claims

#### Detailed Description

... intermediate compressive layer, the fabric is laid over a suitable roll base with an adhesive **cement**. After curing, the surface of the spacer fabric layer is covered with a resin and...normally used in the art, and forms no part of this invention, Most commonly an **epoxy resin** is used for the topcoat, such as, an **epoxy resin** based on a Diglycidylether of Bisphenol A, commercially known as DER 331 from Dow Chemical thermoset resin, a thermoplastic material can be employed, As with the topcoat, the preferred **epoxy resin** is based on a Diglycidylether of Bisphenol A, commercially known as DER 331 from Dow...roll while the roll is rotating, The roll is simultaneously sprayed with a two component **epoxy resin** system based on a Diglycidylether of Bisphenol A, commercially known as DER 331 from Dow...

...Prior to being applied to the roll it is run through



a dipping trough of **epoxy resin**. Again, the **epoxy resin** is based on a Diglycidylether of Bisphenol A, commercially known as DER 331 from Dow...obtained from Technical Fibre Products, Limited, Burnesside Mills, Kendal, Cumbria LA9 6PZ England, The nonthe **epoxy resin** is based on a Diglycidylether of Bisphenol A.

and is the same epoxy used to...

...is used for sealing the top layer for the spacing fabric, i.e., Bisphenol A **epoxy resin** with an aliphatic amine curing agent. Prior to the insertion

Claim

... created during processing.

2 The covered roll of claim 1, wherein said cover comprises an **epoxy resin** having a Shore-D hardness greater than 84,  
3e The covered roll of claim 2, wherein said cover is an **epoxy resin** which is cured at a temperature greater than 1000C.

4 The covered roll of claim...  
...greater than 1000C.

5 The covered roll of claim 4, wherein said cover is an **epoxy resin** which is cured at a temperature greater than 1000C,  
6\* The covered roll of claim 2, wherein the void space of said compressive layer is filled with an **epoxy resin** cured at a temperature lower than temperature at which the cover is cured.  
7e The...

...of claim 3, wherein the void space of said compressive layer is filled with an **epoxy resin** cured at a temperature lower than temperature at which the cover is cured.

12 The...

...of claim 5, wherein the void space of said compressive layer is filled with an **epoxy resin** cured at a temperature lower than temperature at which the cover is cured.

13 The...

...claim 7, wherein the void space of said compressive layer is filled with an **epoxy resin** cured at a temperature lower than temperature at which the cover is cured.

14 The...

...claim 8, wherein the void space of said compressive layer is filled with an **epoxy resin** cured at a temperature lower than temperature at which the cover is cured.

15 A...cover is cured.

17 The covered roll of claim 12, wherein said cover comprises an **epoxy resin** having a shore-D hardness greater than 84,

18 The covered roll of claim 13, wherein said cover is an **epoxy resin** which is cured at a temperature greater than 1000C.

19 The covered roll of claim...

...greater than 1000C.

20 The covered roll of claim 15, wherein said cover is an **epoxy resin** which is cured at a temperature greater than 1000C,

21 The covered roll of claim...a covered roll according to claim 41 wherein said gap layer is filled with an **epoxy resin**.

44 The method of making a covered roll according to claim 41 wherein said f...

...with a filler material selected from the group consisting of a thermoplastic, a thermoset, an **epoxy resin** and an elastomer,

45 The method of making a covered roll according to claim 41...created during processing.

2\* The covered roll of claim 1, wherein said cover comprises an **epoxy resin** having a Shore-D hardness greater than 84,

3e The covered roll of claim 2, wherein said cover is an **epoxy resin** which is cured at a temperature greater than 1000C.

4 The covered roll of claim...

...greater than 1000C,

5 The covered roll of claim 4, wherein said cover is an **epoxy resin** which is cured at a temperature greater than 1000C.

6 The covered roll of claim...

...of said

AMENDED SHEFi (W C E 19)

compressive layer is filled with an **epoxy resin** cured at a temperature lower than a temperature for which the cover is cured...of claim 3, wherein the void space of said compressive layer is filled with an **epoxy resin** cured at a temperature lower than a temperature for which the cover is cured.

12...

...of claim 5, wherein the void space of said

compressive layer is filled with an **epoxy resin** cured at a temperature lower than a temperature for which the cover is cured...of claim 3, wherein the void space of said compressive layer is filled with an **epoxy resin** cured at a temperature lower than a temperature for which the cover is cured.

...claim 7. wherein the void space of said

compressive layer is filled with an **epoxy resin** cured at a temperature lower than a temperature for which the cover is cured...

...claim 8, wherein the void space of said

compressive layer is filled with an **epoxy resin** cured at a temperature lower than a temperature for which the cover is cured...

...cover is cured.

17 The covered roll of claim 16, wherein said cover comprises an **epoxy resin** having a shore-D hardness greater than 84.

18 The covered roll of claim 17, wherein said cover is an **epoxy**

resin which is cured at a temperature greater than 1000C.  
19o The covered roll of claim...

...AMENDED SHEET (ARTICLE J19)  
, The covered roll of claim 19, wherein said cover is an epoxy  
resin which is cured at a temperature greater than 1000C,  
21 The covered roll of claim...

17/5,K/27 (Item 17 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00221055 \*\*Image available\*\*

**TILE MARKING APPLIANCE**

**APPAREIL DE MARQUAGE DE CARREAUX**

Patent Applicant/Assignee:

ROBESON George,

Inventor(s):

ROBESON George,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9218292 A1 19921029

Application: WO 92GB634 19920409 (PCT/WO GB9200634)

Priority Application: GB 917532 19910410

Designated States: AT AU BE BR CH DE DK ES FR GB GB GR IT JP LU MC NL SE US

Main International Patent Class: B25H-007/04

International Patent Class: E04F-21:20

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 1886

**English Abstract**

A method of marking a ceramic tile for cutting, and an appliance for use in performing the method, consists in a plastics extrusion (10, 13) of L-shape cross-section of which one leg (10) defines bevelled and rubber-lined straight-edges (11). The body is provided with a convenient handle (14). The leg (10) serves to locate the body against the edge of a fixed tile, and the other leg (13) provides a means for temporary fixing in the tile adhesive on a surface (16) being tiled. The straight edges (11) are inked by stamp-pad or the like, and a free tile (19) is marked by touching its face onto the straight edges (11) whilst an edge of the free tile (19) is aligned with a boundary of the surface (16).

**French Abstract**

Methode de marquage de carreaux de ceramique devant etre decoupees et appareil destine a etre utilise pour mettre en oeuvre cette methode. La methode consiste a utiliser une piece de plastique extrudee (10, 13) de section en L, dont l'une des branches (10) forme une arete droite (11) biseautee recouverte de caoutchouc. Le corps est equipe d'une poignee appropriee (14). Le flanc (10) permet de positionner le corps contre le bord d'un carreau fixe, et l'autre flanc (13) constitue un moyen permettant d'appliquer temporairement l'adhesif sur une surface (16) devant recevoir les carreaux. L'arete (11) est enduite a l'aide d'un tampon-encreur ou similaire, et un carreau libre (19) est marque par appui de sa face contre l'arete (11) tandis qu'un bord du carreau libre (19) est aligne avec une ligne de delimitation de la surface.

Fulltext Availability:

Detailed Description

Detailed Description

... term "tiles" refers,, in addition to ceramic tiles, to all other regular tiles for example **carpet tiles**, ceiling tiles including ceiling tiles of polystyrene or similar material, and flooring tiles of linoleum, plastics materials...locating member 10, This arrangement automatically positions the cutting line to make allowance for a **grout** space **between** the tile 15 and the tile 19 which can, after cutting, be laid with the cut edge at the boundary 17, Thus, the **grout** space is substantially equal to the thickness of the locating member 10.

The tile marking...

17/5,K/28 (Item 18 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00134491 \*\*Image available\*\*  
**MODULAR-ACCESSIBLE-TILES PROVIDING ACCESSIBILITY TO CONDUCTORS AND PIPING WITH IMPROVED SOUND ISOLATION**  
**CARREAUX MODULAIRES ACCESSIBLES, DONNANT ACCES A DES CONDUCTEURS ET A LA TUYAUTERIE, ET ACOUSTIQUEMENT ISOLANTS**

Patent Applicant/Assignee:

BROWN John G,

Inventor(s):

BROWN John G,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8607008 A1 19861204

Application: WO 85US976 19850528 (PCT/WO US8500976)

Priority Application: WO 85US976 19850528

Designated States: AT AU BE BR CH DE FR GB IT JP LU NL SE SU

Main International Patent Class: B32B-003/10

International Patent Class: E04F-13:08

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 29707

English Abstract

An array of gravity-held-in-place-load-bearing-horizontal-modular-accessible-tiles (10), composite-modular-accessible-tiles, and resilient-composite-modular-accessible-tiles with flexible joints (14, 20) between adjacent modular-accessible-tiles in which the flexible joints are cuttable, accessible and resealable to provide accessibility to conductors disposed above or below one or more horizontal-disassociation-cushioning-layers (18, 25), requiring fluidtight-flexible-assembly-joints between adjacent modular-accessible-tiles to assemble the modular-accessible-tiles by gravity, friction, and accumulated-interactive-assemblage into a floating finished floor array without adhering the modular-accessible-tiles to the horizontal-base-surface. A horizontal-disassociation-cushioning-layer provides accommodation for the thickness variations caused by termination and crossing over of layers of conductors and also provides improved impact sound isolation. An array of gravity-held-in-place-load-bearing-horizontal-modular-accessible-tiles, composite-modular-accessible-tiles, and resilient-composite-modular-accessible-tiles with flexible joints between

adjacent modular-accessible-tiles in which the flexible joints are cuttable, accessible and resealable to provide accessibility from the entire top side to a resilient substrate, to horizontal-rigid-foam-insulation or to a three-dimensional-passage-and-support-matrix formed to accept and index varying combinations of electrical conductors, electronic signal and data conductors, fluid energy conductors, fluid conductors, and outlet-junction-boxes.

#### French Abstract

Un reseau de carreaux (10) modulaires horizontaux accessibles porteurs de charge et maintenus en place par leur propre poids, de carreaux modulaires composites et de carreaux modulaires composites elastiques ayant des raccords flexibles (14, 20) entre des carreaux modulaires adjacents, ces raccords flexibles pouvant etre coupes, penetres et refermes, donne acces a des conducteurs agences au-dessus ou dessous d'une ou plusieurs couches horizontales de rembourrage et de separation (18, 25). Des raccords flexibles et etanches sont necessaires entre des carreaux modulaires pour les assembler par gravite, friction et interaction accumulative et former un ensemble fini et flottant de plancher sans que les carreaux modulaires n'adherent a la surface horizontale de base. Une couche horizontale de rembourrage et de separation compense les variations d'epaisseur dues aux terminaisons et aux chevauchements des couches de conducteurs, et forme une isolation acoustique et anti-chocs amelioree. Un reseau de carreaux modulaires horizontaux accessibles porteurs de charge et maintenus en place par leur propre poids, de carreaux modulaires composites et de carreaux composites elastiques ayant des raccords flexibles agences entre deux carreaux modulaires adjacents, les raccords flexibles pouvant etre coupes, penetres et refermes, donne acces depuis tout le cote superieur a un substrat elastique, a une isolation horizontale en mousse rigide ou a une matrice tridimensionnelle de passage et de support formee pour accepter et graduer differentes combinaisons de conducteurs electriques, de conducteurs de donnees et de signaux electroniques, de conducteurs d'energie fluide, des conducteurs de fluides et des boites de jonction de sorties.

#### Fulltext Availability:

Detailed Description  
Claims

#### Detailed Description

... sound isolation.

Current review and understanding of the existing state of the Mounted tile

Pre- **grouted** ceramic tile sheets

Special fiber mesh-reinforced concrete backer board

Thresholds

Also this same HANEBOOK FOR CERAMIC TITF INSTALLATION discusses in detail materials for **grouting** ceramic tile under the following headings.

- Commercial portland cement **grout**
- Sand portland cement **grout**
- Dry@-,set **grout**
- Latex@portland cement **grout**
- Mastic **grout**
- Furan resin **grout** for quarry tile., packing house tile, and paver tile
- Epoxy **grout** for quarry tile, packing house tile., ceramic mosaic tile and paver tile

- Sil I cone rubber **grout**

The following other methods of installing floor tile are of interest.

tRedi-Set Systems 200t...

...were made up in 24 inch

by 24 inch sheets in the factory with pre- **grouted** urethane sealant joints, This product was withdrawn from the market several years ago, It...

...adhesives of some type, or by both, whereas in

this invention the tiles are not **grouted** , but are filled with dynamic-interactive-fluidtight, elastomeric adhesive-sealant and held in place by...

#### Claim

... selected from the

group consisting of polyolefin sheets, polyethylene foam sheets, polyurethane foam **sheets** , polystyrene foam **sheets** , **woven** polyolefin **sheets** ,

, The array of **modular** .-accessible- **tiles** of Claim 23 in which said

?

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File 8: Ei Compendex(R) 1970-2003/Mar W1  
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 File 99: Wilson Appl. Sci & Tech Abs 1983-2003/Jan  
 (c) 2003 The HW Wilson Co.  
 File 119: Textile Technol.Dig. 1978-2003/Mar  
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 File 144: Pascal 1973-2003/Mar W1  
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 File 240: PAPERCHEM 1967-2003/Mar W2  
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 File 248: PIRA 1975-2003/Mar W1  
 (c) 2003 Pira International  
 File 323: RAPRA Rubber & Plastics 1972-2003/Mar  
 (c) 2003 RAPRA Technology Ltd  
 File 399: CA SEARCH(R) 1967-2003/UD=13811  
 (c) 2003 American Chemical Society

Set	Items	Description
S1	1322	(CARPET OR WOVEN OR FIBER OR FIBRE OR FIBROUS OR TEXTILE) (-2W) (TILE OR TILES OR SQUARE OR SQUARES OR TILING) OR CARPET() - TILES() COM OR ICARPET() TILES
S2	474	(MODULE? OR MODULAR) (2N) (FLOORING OR TILE? OR SQUARE? ? OR SHEET? OR TILING) (6N) (CARPET OR TEXTILE OR WOVEN OR FIBRE? ? - OR FIBER? ? OR FIBROUS) OR TILE() CARPET OR TILECARPET OR CARPETTILES OR COMMERCIAL() CARPET
S3	607	CONTRACT() (CARPET OR FLOORING)
S4	476089	GROUT OR PORTLAND() CEMENT OR WATER() SOLUBLE() ORGANIC() MONOMERS(5N) POLYMERI? OR CEMENT OR POLY() ACRYLAMIDE? OR POLYACRYLAMIDE? OR CYANAGEL OR POLYOL() MONOACRYLATE? OR EPOXY() RESIN OR SYNTHETIC() POLYMER
S5	2	GROUT() (EDGE? OR BORDER? OR CIRCUMFERENC? OR INBETWEEN OR - OUTER? OR LINING)
S6	0	(S1 OR S2 OR S3) AND S5
S7	2	(S1:S3) AND GROUT?
S8	0	S4 AND IC=B23B-003/02
S9	0	S4 AND IC=B32B-003/02
S10	0	IC=D06C-025 AND S9
S11	3064	S4(2N) (INTERFAC? OR INTERSTITIAL?)
S12	0	(S1:S3) AND S11
S13	0	IC=A47G-027/02 AND (S5 OR S6 OR S11)
S14	0	IC=A47G-027/02 AND GROUT?
S15	0	S4 AND IC=47G-027/02
S16	0	S4 AND IC=A47G-027/02
S17	0	S15 NOT (S6 OR S8 OR S10 OR S14)
S18	2	S7 OR S8 OR S9 OR S12:S16
S19	4	S5 OR S7 OR S18

?t19/7/all

19/7/1 (Item 1 from file: 67)  
 DIALOG(R) File 67: World Textiles  
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00267844 WORLD TEXTILE NO: 2014311

**Modular floor covering edge treatment**

AUTHOR(S): Interface Inc.; Oakey D.D.; Bradford J.; Gray K.; Gustashaw D.H.  
CORPORATE SOURCE: D.D. Oakey, 868 Tiney Woods Drive, LaGrange, GA 30240,  
United States  
Extracts from European Patent Applications, Part 1B: Primary Industry,  
Fixed Constructions, Mining, 18/22 (1688), 2002  
COUNTRY OF PUBLICATION: Germany  
DOCUMENT TYPE: Journal; Patent  
RECORD TYPE: ABSTRACT  
ISSN: 0943-1268  
PATENT NO: EP 1 208 259  
PATENT PUBLICATION DATE: 00907014.5, 25 Jan 2000  
PRIORITY APPLICATION: United States, 148043 P, 04 Aug 1999  
LANGUAGES: ENGLISH

**Textile fiber face modular flooring** having edges treated to mimic the appearance of **grout** between installed modules and methods and apparatus for producing such modules.

19/7/2 (Item 1 from file: 119)  
DIALOG(R)File 119:Textile Technol.Dig.  
(c) 2003 Inst.of Textile Technology. All rts. reserv.

0651632 200202081

**2002 Directory & Buying Guide.**  
Flooring 107, No. 7: 42 pages (Dec. 2001).  
Publication Year: 2001  
CODEN: FLORAH; FLOR  
Language: English

A directory of floor covering products, manufacturers, and services provides information on rubber and vinyl flooring, adhesives, binding and seaming equipment, carpet rollup devices, nonwoolen carpets and rugs, conductive flooring, cork flooring, cove base and stick, cushions, linings, floor finishes, **grout**, laminating equipment, linoleum, membranes, mortars, moldings, displays, safety flooring, **carpet tile**, ceramic floor tile, vinyl tile, underlayment, and wood flooring. Manufacturers' and distributors' indexes include company names, addresses, telephone and fax numbers, e-mail addresses, and internet addresses.

19/7/3 (Item 1 from file: 323)  
DIALOG(R)File 323:RAPRA Rubber & Plastics  
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00807428

**TITLE: DUDICK BUYS DUPONT COATINGS LINE**  
SOURCE: Chemical Week; 163, No.7, 14th Feb.2001, p.7  
ISSN: 0009-272X  
CODEN: CHWKA9 JOURNAL ANNOUNCEMENT: 200106 RAPRA UPDATE: 200110  
DOCUMENT TYPE: Journal Article  
LANGUAGE: English  
SUBFILE: (R) RAPRA

ABSTRACT: DuPont has sold its CorMac line of chemically-resistant secondary containment and tank lining systems to Dudick, a privately-owned speciality coatings manufacturer. The product line includes epoxy phenolic glass flake and polysulphide elastomeric coatings, elastomeric polysulphide sealant, epoxy polyamide holding primer and epoxy grout, used primarily in the food and beverage and petrochemical industries. This abstract contains all the information given in the original article.



19/7/4 (Item 2 from file: 323)  
DIALOG(R)File 323:RAPRA Rubber & Plastics  
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00584624

**TITLE: POLYMER-BASED MATERIALS FOR REPAIR AND IMPROVED DURABILITY: JAPANESE  
EXPERIENCE**

AUTHOR(S): Ohama Y

CORPORATE SOURCE: Nihon,University

SOURCE: Construction & Building Materials; 10, No.1, 1996, p.77-82

JOURNAL ANNOUNCEMENT: 199606 RAPRA UPDATE: 199610

DOCUMENT TYPE: Journal Article

LANGUAGE: English

SUBFILE: (R) RAPRA

ABSTRACT: Countermeasures against the deterioration of reinforced concrete structures and composite materials are reviewed, with particular reference to the polymers being used to improve their durability and repair their damage in Japan. The durability-improving materials include finish coatings, barrier penetrants, linings, liquid-applied membrane waterproofing materials, permanent forms, polymer-coated reinforcing bars and fibre-reinforced plastics reinforcements. The repair materials include corrosion-inhibiting coatings for surface preparation and protection, finish materials and grouts for concrete cracks. 8 refs.

?

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 File 248: PIRA 1975-2003/Mar W1  
 (c) 2003 Pira International  
 File 323: RAPRA Rubber & Plastics 1972-2003/Mar  
 (c) 2003 RAPRA Technology Ltd  
 File 399: CA SEARCH(R) 1967-2003/UD=13811  
 (c) 2003 American Chemical Society

Set	Items	Description
S1	1322	(CARPET OR WOVEN OR FIBER OR FIBRE OR FIBROUS OR TEXTILE) (-2W) (TILE OR TILES OR SQUARE OR SQUARES OR TILING) OR CARPET() - TILES() COM OR ICARPET() TILES
S2	474	(MODULE? OR MODULAR) (2N) (FLOORING OR TILE? OR SQUARE? ? OR SHEET? OR TILING) (6N) (CARPET OR TEXTILE OR WOVEN OR FIBRE? ? - OR FIBER? ? OR FIBROUS) OR TILE() CARPET OR TILECARPET OR CARPETTILES OR COMMERCIAL() CARPET
S3	607	CONTRACT() (CARPET OR FLOORING)
S4	476089	GROUT OR PORTLAND() CEMENT OR WATER() SOLUBLE() ORGANIC() MONOMERS(5N) POLYMERI? OR CEMENT OR POLY() ACRYLAMIDE? OR POLYACRYLAMIDE? OR CYANAGEL OR POLYOL() MONOACRYLATE? OR EPOXY() RESIN OR SYNTHETIC() POLYMER
S5	2	GROUT() (EDGE? OR BORDER? OR CIRCUMFERENC? OR INBETWEEN OR - OUTER? OR LINING)
S6	0	(S1 OR S2 OR S3) AND S5
S7	2	(S1:S3) AND GROUT?
S8	0	S4 AND IC=B23B-003/02
S9	0	S4 AND IC=B32B-003/02
S10	0	IC=D06C-025 AND S9
S11	3064	S4(2N) (INTERFAC? OR INTERSTITIAL?)
S12	0	(S1:S3) AND S11
S13	0	IC=A47G-027/02 AND (S5 OR S6 OR S11)
S14	0	IC=A47G-027/02 AND GROUT?
S15	0	S4 AND IC=47G-027/02
S16	0	S4 AND IC=A47G-027/02
S17	0	S15 NOT (S6 OR S8 OR S10 OR S14)
S18	2	S7 OR S8 OR S9 OR S12:S16
S19	4	S5 OR S7 OR S18
S20	93	(S1:S3) AND (S4:S5 OR S11)
S21	29	(S1:S3) (2S) (S4:S5 OR S11)
S22	25	RD (unique items)
?		

?t22/3,k/all

>>>KWIC option is not available in file(s): 399

22/3,K/1 (Item 1 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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04968508 E.I. No: EIP98034112623

**Title: Broad-line nuclear magnetic resonance study of water absorption and transport in fibrous cement roofing tiles**

Author: Bohris, A.J.; Newling, B.; McDonald, P.J.; Raoof, A.; Tran, N.L.

Corporate Source: Univ of Surrey, Surrey, UK

Source: Journal of Materials Science v 33 n 4 Feb 15 1998. p 859-867

Publication Year: 1998

CODEN: JMTSAS ISSN: 0022-2461

Language: English

**Title: Broad-line nuclear magnetic resonance study of water absorption and transport in fibrous cement roofing tiles**

Abstract: The <sup>1</sup>H nuclear magnetic resonance spin-spin relaxation time of water in a fibrous cement roofing tile has been measured as a function of hydration using the Carr-Purcell-Meiboom-Gill pulse...

Identifiers: Fibrous cement roofing tiles ; Carr Purcell Meiboom Gill pulse sequence

22/3,K/2 (Item 2 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

02167977 E.I. Monthly No: EI8702012378

**Title: HIGH THERMALLY CONDUCTIVE COMMUNICATIONS EQUIPMENT PANEL MODULE FOR COMMUNICATIONS SATELLITE.**

Author: Iso, Akio; Watanabe, Mitsunobu; Tsunoda, Hiroaki

Corporate Source: NTT, Yokosuka, Jpn

Source: Acta Astronautica v 13 n 8 Aug 1986 p 515-522

Publication Year: 1986

CODEN: AASTCF ISSN: 0094-5765

Language: ENGLISH

...Abstract: sheets and a honeycomb core, the transversal thermal conductivity is relatively small mainly due to epoxy resin adhesive layers between the face sheet and the honeycomb core. Therefore, in order to dissipate high-heat flux towards space, a complicated thermal control system becomes necessary. The new panel module consists of a carbon-fiber -reinforced aluminum-alloy face sheet and a titanium-alloy core. A metallic bonding is used as the connection between the...

22/3,K/3 (Item 3 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

00537703 E.I. Monthly No: EI7605031620 E.I. Yearly No: EI76034697

**Title: STATES REPORT EXPERIENCES WITH HIGHWAY UNDERDRAINAGE MATERIALS.**

Author: Anon

Source: Better Roads v 46 n 3 Mar 1976 p 24-26

Publication Year: 1976

CODEN: BEROAW ISSN: 0006-0208

Language: ENGLISH

...Abstract: It discusses experiences the respondents had over the years

with such pipe materials as pitch- fiber , clay, concrete tile ,  
perforated clay, concrete, asbestos cement , steel and aluminum;  
specifications covering materials and practices; and installation data.  
Reports from 12 states...

22/3,K/4 (Item 1 from file: 67)  
DIALOG(R)File 67:World Textiles  
(c) 2003 Elsevier Science Ltd. All rts. reserv.

00267844 WORLD TEXTILE NO: 2014311  
**Modular floor covering edge treatment**  
AUTHOR(S): Interface Inc.; Oakey D.D.; Bradford J.; Gray K.; Gustashaw D.H.  
CORPORATE SOURCE: D.D. Oakey, 868 Tiney Woods Drive, LaGrange, GA 30240,  
United States  
Extracts from European Patent Applications, Part 1B: Primary Industry,  
Fixed Constructions, Mining, 18/22 (1688), 2002  
COUNTRY OF PUBLICATION: Germany  
DOCUMENT TYPE: Journal; Patent  
RECORD TYPE: ABSTRACT  
ISSN: 0943-1268  
PATENT NO: EP 1 208 259  
PATENT PUBLICATION DATE: 00907014.5, 25 Jan 2000  
PRIORITY APPLICATION: United States, 148043 P, 04 Aug 1999  
LANGUAGES: ENGLISH

**Textile fiber face modular flooring** having edges treated to mimic  
the appearance of **grout** between installed modules and methods and  
apparatus for producing such modules.

22/3,K/5 (Item 1 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

05126494 JICST ACCESSION NUMBER: 02A0246258 FILE SEGMENT: JICST-E  
**Stress-strain Relationships Of Cement Composite Panels Reinforced With**  
**Woven Square Wire Mesh.**  
ZAKARIA H (1); INOUE M (1)  
(1) Faculty Of Bioresources Mie University  
Nogyo Doboku Gakkai Taikai Koenkai Koen Yoshishu, 2001, VOL.2001,  
PAGE.566-567, FIG.5, REF.4  
JOURNAL NUMBER: X0278AAY  
UNIVERSAL DECIMAL CLASSIFICATION: 624.012.4  
LANGUAGE: English COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Conference Proceeding  
ARTICLE TYPE: Short Communication  
MEDIA TYPE: Printed Publication

**Stress-strain Relationships Of Cement Composite Panels Reinforced With**  
**Woven Square Wire Mesh.**

22/3,K/6 (Item 2 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

01091421 JICST ACCESSION NUMBER: 90A0589903 FILE SEGMENT: JICST-E  
**Special issue : carpet tiles . Outline of construction plan on**  
**synthetic polymer system flooring finish.**  
Yuka, 1989, VOL.32,NO.2, PAGE.65-69, TBL.6  
JOURNAL NUMBER: L0165AAZ

UNIVERSAL DECIMAL CLASSIFICATION: 692.5 678.06:624.011.78  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Standard, specification  
MEDIA TYPE: Printed Publication

**Special issue :** carpet tiles . Outline of construction plan on  
synthetic polymer system flooring finish.

22/3,K/7 (Item 1 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01464334 20001103305

**Evergreen makes nylon live forever**

(Neue Anlage fuer das Recycling von Nylon-6)

Whaley, P

ATI - America's Textile Industries, v29, n10, pp32,34,36,38,40, 2000

Document type: journal article Language: English

Record type: Abstract

ISSN: 0890-9970

**ABSTRACT:**

...by-product fibres from the carpet backing will be reclaimed and marketed for use in **cement** and other products. Carpet collection is already underway in 75 metropolitan areas throughout the U...

...network. The ENR plant uses a patented technology that depolymerizes nylon 6 from residential and **commercial carpet**, engineering plastics, automotive parts, sporting goods, films, packaging and post-industrial waste into caprolactam. The...

22/3,K/8 (Item 1 from file: 119)  
DIALOG(R)File 119:Textile Technol.Dig.  
(c) 2003 Inst.of Textile Technology. All rts. reserv.

0651632 200202081

**2002 Directory & Buying Guide.**

Flooring 107, No. 7: 42 pages (Dec. 2001).

Publication Year: 2001

CODEN: FLORAH; FLOR

... carpets and rugs, conductive flooring, cork flooring, cove base and stick, cushions, linings, floor finishes, **grout**, laminating equipment, linoleum, membranes, mortars, moldings, displays, safety flooring, **carpet tile**, ceramic floor tile, vinyl tile, underlayment, and wood flooring. Manufacturers' and distributors' indexes include company...

22/3,K/9 (Item 1 from file: 144)  
DIALOG(R)File 144:Pascal  
(c) 2003 INIST/CNRS. All rts. reserv.

15766991 PASCAL No.: 02-0479975

**A general description of flow-applied floor screeds-an important application for complex formulations based on CAC**

**CAC : calcium aluminate cements 2001 : Edinburgh, 16-19 July 2001**

HARBON R

MANGABHAI RJ, ed; GLASSER FP, ed

Flowcrete Group Plc, Flowcrete Business Park, Booth Lane, Moston,

Sandbach, Cheshire, CW11 3QF, United Kingdom

International conference on calcium aluminate cements (Edinburgh GBR)

2001-07-16

2001 597-604

Publisher: Institute of Ceramics, Stoke-on-Trent

Language: English

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... flat, smooth, sound surface at the correct level to receive another flooring material such as **carpet**, vinyl, and **tiles**. This can be achieved using many different types of screed. However in recent years, particularly...

... of speed and ease of application. Many flow-applied screeds are formulated on calcium aluminate **cement** (CAC) based binders. The formulation of these products, however, is complex and these products will ...

22/3,K/10 (Item 2 from file: 144)

DIALOG(R)File 144:Pascal

(c) 2003 INIST-CNRS. All rts. reserv.

01215499 PASCAL No.: 76-0007390

**GLASS REINFORCED CEMENT**

Journal: AUSTRALAS. CORROS. ENGN, 1975, 19 (11-12) 17-19

Language: ENGLISH

English Descriptors: BUILDINGS; FIBER REINFORCED **CEMENT** ; COVERAGE; GLASS **FIBER** ; BREAKDOWN; ROOF; **TILE**

22/3,K/11 (Item 1 from file: 323)

DIALOG(R)File 323:RAPRA Rubber & Plastics

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00350986

**TITLE: MACCO CT-20 CEILING TILE ADHESIVE**

CORPORATE SOURCE: SCM CORP.,MACCO ADHESIVES DIV.

SOURCE: Wickliffe, Oh., 1979, pp.2. 11ins. 21/5/87. No.04427E. 6A1

JOURNAL ANNOUNCEMENT: 198805 RAPRA UPDATE: 198809

DOCUMENT TYPE: Trade Literature

LANGUAGE: English

SUBFILE: (R) RAPRA; (A) Adhesives

...ABSTRACT: technical data are given for this resin-based adhesive formulated to adhere both mineral and **fibre** ceiling **tiles** to gypsum wallboard, plaster, concrete and **cement**. Brief details are given of associated products.

22/3,K/12 (Item 2 from file: 323)

DIALOG(R)File 323:RAPRA Rubber & Plastics

(c) 2003 RAPRA Technology Ltd. All rts. reserv.

00120790

**TITLE: FLOORING ADHESIVES**

AUTHOR(S): SNAPE H B

SOURCE: PLASTICS & RUBBER INSTITUTE. ADHESIVES AND SEALANTS IN BUILDING:

SYMPOSIUM WATFORD, May 1977, PAPER 6(SUMMARY), pp.1. PREPRINT. 63BU-6A1

JOURNAL ANNOUNCEMENT: 197809 RAPRA UPDATE: 198201

DOCUMENT TYPE: Conference Papers

LANGUAGE: English  
SUBFILE: (R) RAPRA; (A) Adhesives

...ABSTRACT: OF PLASTICISER MIGRATION IN PVC FLOORING ARE EXAMINED. METHODS OF TESTING FOR MOISTURE CONTENT OF CEMENT SUBSTRATES ARE CONSIDERED, TOGETHER WITH THE USE OF DAMP-PROOF MEMBRANES. STANDARDS ARE REVIEWED IN RELATION TO THE WORK OF THE BRITISH STANDARDS INSTITUTE AND THE CONTRACT FLOORING ASSN.

22/3,K/13 (Item 1 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2003 American Chemical Society. All rts. reserv.

135246236 CA: 135(17)246236c PATENT  
Corrugated fiber-cement roof tile using wollastonite as substitute for paper pulp  
INVENTOR(AUTHOR): Huang, Ping  
LOCATION: Peop. Rep. China,  
ASSIGNEE: Sichuan Jiahua Enterprise (Group) Corp., Ltd.  
PATENT: Faming Zh. Sh. Gong. Shuom ; CN 1295043 A DATE: 20010516  
APPLICATION: CN 2000132085 (20001218)  
PAGES: 5 pp. CODEN: CNXXEV LANGUAGE: Chinese CLASS: C04B-022/06A;  
C04B-028/04B; C04B-014/40B; C04B-016/06B; C04B-014/20B; C04B-014/42B;  
E04D-001/00B

22/3,K/14 (Item 2 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2003 American Chemical Society. All rts. reserv.

126241725 CA: 126(18)241725r JOURNAL  
Strengthening and lightening of cement roofing tiles  
AUTHOR(S): Nakazawa, Takao; Tashiro, Toshiaki; Kawano, Toshio  
LOCATION: Fac. Eng., Miyazaki Univ., Japan,  
JOURNAL: Semento, Konkurito Ronbunshu DATE: 1996 VOLUME: 50, PAGES:  
910-915 CODEN: SKROER ISSN: 0916-3182 LANGUAGE: Japanese PUBLISHER:  
Semento Kyokai

22/3,K/15 (Item 3 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2003 American Chemical Society. All rts. reserv.

122062569 CA: 122(6)62569p PATENT  
Latex-modified cement-based adhesives for cellulosic and nonporous substrates  
INVENTOR(AUTHOR): Schad, Gregory W.  
LOCATION: USA  
ASSIGNEE: TEC Incorporated  
PATENT: United States ; US 5366550 A DATE: 941122  
APPLICATION: US 42478 (930402)  
PAGES: 9 pp. CODEN: USXXAM LANGUAGE: English CLASS: 106730000;  
C04B-024/10A

22/3,K/16 (Item 4 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2003 American Chemical Society. All rts. reserv.

118130699 CA: 118(14)130699a JOURNAL  
Heraklith cement-bonded tiles and their use in roofing

AUTHOR(S): Hunyadi, Istvan  
LOCATION: Heraklith-Villas Kereskedelmi Kft., Hung.  
JOURNAL: Epitoanyag DATE: 1992 VOLUME: 44 NUMBER: 3 PAGES: 112-14  
CODEN: EPITAA ISSN: 0013-970X LANGUAGE: Hungarian

22/3,K/17 (Item 5 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2003 American Chemical Society. All rts. reserv.

115014272 CA: 115(2)14272v PATENT  
**Lightweight cement roof tiles**  
INVENTOR(AUTHOR): Kiwaki, Yoshihiro; Shimizu, Toshihiko  
LOCATION: Japan,  
ASSIGNEE: Onoda K. K.  
PATENT: Japan Kokai Tokkyo Koho ; JP 90311345 A2 ; JP 02311345 DATE:  
901226  
APPLICATION: JP 89128919 (890524)  
PAGES: 3 pp. CODEN: JKXXAF LANGUAGE: Japanese CLASS: C04B-028/02A;  
C04B-028/02J; C04B-016/06J; C04B-014/38J

22/3,K/18 (Item 6 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2003 American Chemical Society. All rts. reserv.

113177229 CA: 113(20)177229j PATENT  
**Manufacture of vinal fiber-reinforced cement boards and tiles**  
INVENTOR(AUTHOR): Shen, Rongxi; Yang, Ruishan  
LOCATION: Peop. Rep. China,  
ASSIGNEE: Chinese Institute of Building Materials  
PATENT: Faming Zhuanli Shenqing Gon ; CN 1039236 A DATE: 900131  
APPLICATION: CN 88104183 (880705)  
PAGES: 10 pp. CODEN: CNXXEV LANGUAGE: Chinese CLASS: C04B-016/06A

22/3,K/19 (Item 7 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2003 American Chemical Society. All rts. reserv.

106022432 CA: 106(4)22432b PATENT  
**Non-skid fiber/cement floor tile and manufacture thereof**  
INVENTOR(AUTHOR): Thompson, Thomas L.  
LOCATION: USA  
ASSIGNEE: THOM-McI  
PATENT: United States ; US 4622257 A DATE: 861111  
APPLICATION: US 763528 (850808)  
PAGES: 6 pp. CODEN: USXXAM LANGUAGE: English CLASS: 428143000;  
B32B-005/16A; B32B-027/06B; B32B-027/14B

22/3,K/20 (Item 8 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2003 American Chemical Society. All rts. reserv.

104191939 CA: 104(22)191939m PATENT  
**Carbon fiber-reinforced cement tiles**  
INVENTOR(AUTHOR): Takahashi, Ichiro  
LOCATION: Japan,  
ASSIGNEE: Fujita Corp.  
PATENT: Japan Kokai Tokkyo Koho ; JP 85204661 A2 ; JP 60204661 DATE:  
851016



APPLICATION: JP 8458487 (840328)

PAGES: 2 pp. CODEN: JKXXAF LANGUAGE: Japanese CLASS: C04B-032/02A

**22/3,K/21 (Item 9 from file: 399)**

DIALOG(R)File 399:CA SEARCH(R)

(c) 2003 American Chemical Society. All rts. reserv.

**87140262 CA: 87(18)140262h PATENT**

**Surface coloring of cement or concrete product**

INVENTOR(AUTHOR): Kawakubo, Kazuo; Oda, Jiro; Kuramoto, Shigeru

LOCATION: Japan

ASSIGNEE: Nihon Kagaku Sangyo Co., Ltd.

PATENT: Japan Kokai Tokkyo Koho JP 7769428 DATE: 770609

APPLICATION: Japan JP 75145901 DATE: 751209

PAGES: 4 pp. CODEN: JKXXAF CLASS: C04B-041/124;

**22/3,K/22 (Item 10 from file: 399)**

DIALOG(R)File 399:CA SEARCH(R)

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**86095018 CA: 86(14)95018z PATENT**

**Composite material and production of the same**

INVENTOR(AUTHOR): Koo, Yeo B.

LOCATION: Singapore

PATENT: Britain GB 1451341 DATE: 760929

APPLICATION: Britain GB 73262 DATE: 730102

PAGES: 3 pp. CODEN: BRXXAA CLASS: C04B-031/06;

**22/3,K/23 (Item 11 from file: 399)**

DIALOG(R)File 399:CA SEARCH(R)

(c) 2003 American Chemical Society. All rts. reserv.

**85051060 CA: 85(8)51060g PATENT**

**High-strength roofing tile**

INVENTOR(AUTHOR): Goto, Yoshihiro; Muramoto, Nobuyuki; Morino, Morio

LOCATION: Japan

ASSIGNEE: Toyobo Co., Ltd.

PATENT: Japan Kokai Tokkyo Koho JP 7631719 DATE: 760318

APPLICATION: Japan JP 74105342 DATE: 740911

PAGES: 5 pp. CODEN: JKXXAF CLASS: B28B1/00

**22/3,K/24 (Item 12 from file: 399)**

DIALOG(R)File 399:CA SEARCH(R)

(c) 2003 American Chemical Society. All rts. reserv.

**85009757 CA: 85(2)9757q PATENT**

**Fiber-reinforced cement roofing tile**

INVENTOR(AUTHOR): Goto, Yoshihiro; Muramoto, Nobuyuki; Morino, Morio

LOCATION: Japan

ASSIGNEE: Toyobo Co., Ltd.

PATENT: Japan Kokai Tokkyo Koho JP 7631718 DATE: 760318

APPLICATION: Japan JP 74105341 DATE: 740911

PAGES: 3 pp. CODEN: JKXXAF CLASS: B28B1/00

**22/3,K/25 (Item 13 from file: 399)**

DIALOG(R)File 399:CA SEARCH(R)

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Search Report from Ginger D. Roberts

84137534 CA: 84(20)137534f PATENT

Wood fiber tiles

INVENTOR(AUTHOR): El'kina, G. B.; Pirgach, A. A.; Zhuk, D. S.;  
Gembitskii, P. A.

LOCATION: USSR

ASSIGNEE: All-Union Scientific-Research Institute for the Wood Processing  
Industry

PATENT: USSR SU 501890 DATE: 760205

APPLICATION: USSR SU 2057619 DATE: 740905

CODEN: URXXAF CITATION: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye  
Znaki 1976, 53(5), 52 CLASS: B29J

?

# Search Report from Ginger D. Roberts

?show files;ds

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200316

(c) 2003 Thomson Derwent

File 344:Chinese Patents Abs Aug 1985-2003/Jan

(c) 2003 European Patent Office

File 347:JAPIO Oct 1976-2002/Nov(Updated 030306)

(c) 2003 JPO & JAPIO

File 371:French Patents 1961-2002/BOPI 200209

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Set	Items	Description
S1	727	(CARPET OR WOVEN OR FIBER OR FIBRE OR FIBROUS OR TEXTILE) (-2W) (TILE OR TILES OR SQUARE OR SQUARES OR TILING) OR CARPET() - TILES() COM OR ICARPET() TILES
S2	434	(MODULE? OR MODULAR) (2N) (FLOORING OR TILE? OR SQUARE? ? OR SHEET? OR TILING) (6N) (CARPET OR TEXTILE OR WOVEN OR FIBRE? ? - OR FIBER? ? OR FIBROUS) OR TILE() CARPET OR TILECARPET OR CARPETILES OR COMMERCIAL() CARPET
S3	1	CONTRACT() (CARPET OR FLOORING)
S4	221323	GROUT OR PORTLAND() CEMENT OR WATER() SOLUBLE() ORGANIC() MONOMERS(5N) POLYMERI? OR CEMENT OR POLY() ACRYLAMIDE? OR POLYACRYLAMIDE? OR CYANAGEL OR POLYOL() MONOACRYLATE? OR EPOXY() RESIN OR SYNTHETIC() POLYMER
S5	768	S4(2N) (BORDER? ? OR EDGE? ? OR (BETWEEN OR INBETWEEN OR IN-()) BETWEEN) (2W) (MODULE? ? OR EACH() PIECE OR TILE? ? OR SQUARE? ? OR SHEET? ? OR FILING) OR OUTSKIRT? ? OR OUTER? OR EDGED OR (LACED OR LINED) () OUTSIDE OR PERIPHER? OR CIRCUMFEREN?)
S6	2	GROUT() (EDGE? OR BORDER? OR CIRCUMFERENC? OR INBETWEEN OR - OUTER? OR LINING)
S7	0	(S1 OR S2 OR S3) AND S5
S8	2	(S1:S3) AND GROUT?
S9	73	S4 AND IC=B32B-003/02
S10	1	IC=D06C-025 AND S9
S11	99	S4(2N) (INTERFAC? OR INTERSTITIAL?)
S12	0	(S1:S3) AND S11
S13	0	IC=A47G-027/02 AND (S5 OR S6 OR S11)
S14	2	IC=A47G-027/02 AND GROUT?
S15	38	S4 AND IC=A47G-027/02
S16	37	S15 NOT (S6 OR S8 OR S10 OR S14)
?		

?t14/4/all

14/4/1 (Item 1 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2003 Thomson Derwent. All rts. reserv.

IM- \*Image available\*

AA- 2001-183076/200118|

DX- &lt;RELATED&gt; 2002-105510|

XR- &lt;XRPX&gt; N01-130655|

TI- **Grouted** edge creating apparatus has conveyor belts to advance rectangular flooring module past treating heads in orthogonal directions relative to each other and at different speeds to treat respective pair of opposed edges of module|

PA- INTERFACE INC (INTE-N); BRADFORD J (BRAD-I); GRAY K N (GRAY-I); GUSTASHAW D H (GUST-I); OAKEY D D (OAKE-I); ROMAN J J (ROMA-I)|

AU- <INVENTORS> BRADFORD J; GRAY K; GUSTASHAW D H; OAKEY D D; SCOTT G A; GRAY K N; ROMAN J J|

NC- 091|

NP- 004|

PN- WO 200111133 A1 20010215 WO 2000US1717 A 20000125 200118 B|

PN- AU 200028582 A 20010305 AU 200028582 A 20000125 200130

PN- US 20020071930 A1 20020613 US 99130795 P 19990423 200243

&lt;AN&gt; US 99148043 P 19990804

&lt;AN&gt; WO 2000US1717 A 20000125

&lt;AN&gt; US 2001882849 A 20010615

PN- EP 1208259 A1 20020529 EP 2000907014 A 20000125 200243

&lt;AN&gt; WO 2000US1717 A 20000125|

AN- &lt;LOCAL&gt; WO 2000US1717 A 20000125; AU 200028582 A 20000125; US 99130795

P 19990423; US 99148043 P 19990804; WO 2000US1717 A 20000125; US

2001882849 A 20010615; EP 2000907014 A 20000125; WO 2000US1717 A

20000125|

AN- &lt;PR&gt; US 99148043 P 19990804; US 99130795 P 19990423; US 2001882849 A

20010615|

FD- WO 200111133 A1 D06C-025/00

<DS> (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US VZ VN YU ZA ZW

<DS> (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

FD- AU 200028582 A D06C-025/00 Based on patent WO 200111133

FD- US 20020071930 A1 B32B-003/02 Provisional application US 99130795

Provisional application US 99148043

CIP of application WO 2000US1717

FD- EP 1208259 A1 D06C-025/00 Based on patent WO 200111133

<DS> (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE|

LA- WO 200111133(E&lt;PG&gt; 30); EP 1208259(E)|

DS- <NATIONAL> AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US VZ VN YU ZA ZW|

DS- <REGIONAL> AT; BE; CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE; IT; KE; LS; LU; MC; MW; NL; OA; PT; SD; SE; SL; SZ; TZ; UG; ZW; LI|

AB- &lt;PN&gt; WO 200111133 A1|

AB- <NV> NOVELTY - The apparatus has two conveyor belts (21, 23) to advance a rectangular flooring module past two or more treating heads (30, 32) in orthogonal directions relative to each and at different speeds to treat a respective pair of opposed edges of the module. The treating heads comprise a heat source, which comprise hot air gun or a glue gun, in which their depth and angle is adjustable.|

AB- <BASIC> DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for: 1) a method for imparting a **grouted** edge appearance, 2) a flooring module usable with other similar modules to provide a floor covering, 3) an apparatus for creating a **grouted** edge appearance on an edge of a flooring module having a textile fiber face, 4) an apparatus for creating a flooring module of textile fiber face having edges different in appearance from the remainder of the face, comprising a treating unit to treat edges that remains stationary relative to a moving module, 5) an apparatus for creating a flooring module of textile fiber face having edges different in appearance from the remainder of the face, 6) a floor covering, 7) a method of changing the appearance of an edge portion of a flooring module having a textile fiber face, and 8) a method for installing a floor covering having a number of modules of textile fiber face material having edges different in appearance from the remainder of the face positioned with abutting edges.

USE - For creating a **grouted** edge appearance on a rectangular flooring module having a textile fiber face and two pairs of opposed edges.

DESCRIPTION OF DRAWING(S) - The figure shows a top plan view of the **grouted** edge creating apparatus with the conveyor belts and heat guns to produce a **grouted** appearance on a modular flooring.

Conveyor belts (21, 23)

Treating heads (30, 32)

pp; 30 DwgNo 7A/101

DE- <TITLE TERMS> **GROUT** ; EDGE; APPARATUS; CONVEYOR; BELT; ADVANCE; RECTANGLE; FLOOR; MODULE; PASS; TREAT; HEAD; ORTHOGONAL; DIRECTION; RELATIVE; SPEED; TREAT; RESPECTIVE; PAIR; OPPOSED; EDGE; MODULE|

DC- P27; P73|

IC- <MAIN> B32B-003/02; D06C-025/00|

IC- <ADDITIONAL> **A47G-027/02** ; D06N-007/00|

FS- EngPI||

14/4/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

IM- \*Image available\*

AA- 1998-312278/199827|

XR- <XRPX> N98-244754|

TI- Floor mat system for maintaining portion of urinal floor clean - includes disposable pad having layer of absorbent material and coating layer of waterproof material|

PA- JENKINS M (JENK-I)|

AU- <INVENTORS> JENKINS M|

NC- 079|

NP- 003|

PN- WO 9822280 A1 19980528 WO 97US21252 A 19971121 199827 B|

PN- CA 2207731 A 19980521 CA 2207731 A 19970612 199838

PN- AU 9854501 A 19980610 AU 9854501 A 19971121 199843|

AN- <LOCAL> WO 97US21252 A 19971121; CA 2207731 A 19970612; AU 9854501 A 19971121|

AN- <PR> US 9749149 P 19970610; US 9633331 P 19961121; US 9739070 P 19970308|

FD- WO 9822280 A1 B32B-003/02

<DS> (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

<DS> (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

FD- AU 9854501 A B32B-003/02 Based on patent WO 9822280|

Search Report from Ginger D. Roberts

LA- WO 9822280(E<PG> 35)|

DS- <NATIONAL> AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI  
GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU  
ZW|

DS- <REGIONAL> AT; BE; CH; DE; DK; EA; ES; FI; FR; GB; GH; GR; IE; IT; KE;  
LS; LU; MC; MW; NL; OA; PT; SD; SE; SZ; UG; ZW|

AB- <BASIC> WO 9822280 A

The system (10) comprises a base (20) being made of an impermeable material, the base having a top surface and a bottom surface, the base having a forward portion and a rearward portion, the base having a horizontal upper surface for retention of a pad member (30).

There is a pad having a number of layers including a layer made of a highly absorbent material (35) the pad being retained upon the top surface of the base. The floor portion is disposed beneath a urinal, the forward portion of the base abutting the wall under the urinal.

ADVANTAGE - System provides sanitary and cost-effective solution to aforementioned problems by absorbing urine before it reaches restroom floor, thereby preventing any accumulation of matter on restroom floor, and preventing floor from becoming slippery causing possible safety hazard. System also prevents spread of bacteria and odours associated with urine throughout restroom and beyond and onto shoes of patrons, and prevents damage to floor and **grouting** about commands from damaging and corrosive effects of acid common in urine.

Dwg.2, 3/24|

DE- <TITLE TERMS> FLOOR; MAT; SYSTEM; MAINTAIN; PORTION; URINAL; FLOOR;  
CLEAN; DISPOSABLE; PAD; LAYER; ABSORB; MATERIAL; COATING; LAYER;  
WATERPROOF; MATERIAL|

DC- P27; P73|

IC- <MAIN> A47G-027/02 ; B32B-003/02|

FS- EngPI||

?

?t16/3,k/all

16/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

012631317

WPI Acc No: 1999-437421/199937

XRAM Acc No: C99-128553

XRPX Acc No: N99-326677

**Preparation of carpet - comprises moulding backing sheet from slurry consisting of cement composition containing dispersed resin, placing carpet base material on backing sheet, and moving over heater**

Patent Assignee: MITSUBISHI YUKA BADISCHE KK (MITP )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11178701	A	19990706	JP 97367264	A	19971224	199937 B

Priority Applications (No Type Date): JP 97367264 A 19971224

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11178701	A	7	A47G-027/02	

... **comprises moulding backing sheet from slurry consisting of cement composition containing dispersed resin, placing carpet base material on backing sheet, and moving over heater**

...Abstract (Basic): Preparation of a carpet comprises moulding a sheet from backing slurry consisting of a **cement** composition containing a hydraulic inorganic powder containing 4-25 wt.% alumina **cement** and an aqueous solution in which a resin is dispersed, placing carpet base material on...

...Title Terms: **CEMENT** ;

International Patent Class (Main): **A47G-027/02**

16/3,K/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011663397 \*\*Image available\*\*

WPI Acc No: 1998-080306/199808

XRAM Acc No: C98-026829

XRPX Acc No: N98-064246

**Mat paved in floor surface of bathroom, locker room, workshop, vestibule, pool side - has load piling bend rate within range of 5-45% in surface when person walks on it**

Patent Assignee: DAIWABO CO LTD (DAIW )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9313430	A	19971209	JP 96153235	A	19960524	199808 B

Priority Applications (No Type Date): JP 96153235 A 19960524

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 9313430	A	7	A47L-023/22	

...Abstract (Basic): The mat (1) includes multiple continuous strips (6) that are made up of **synthetic polymer** . The strips have a diameter in the range of 0.5-2.0mm. The strips...

International Patent Class (Additional): **A47G-027/02**

**16/3,K/3 (Item 3 from file: 350)**  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2003 Thomson Derwent. All rts. reserv.

010326687  
 WPI Acc No: 1995-227985/199530  
 XRAM Acc No: C95-105061  
 XRPX Acc No: N95-178513

**Mfg. carpet of improved adhesion and stability - comprises overlapping backing layer including cement , inorganic substance and silicone surfactant with surface base material**  
 Patent Assignee: MITSUBISHI YUKA BADISCHE KK (MITP ); SENSHU STREAM KK (SENS-N)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7137193	A	19950530	JP 93307065	A	19931115	199530 B
JP 2767374	B2	19980618	JP 93307065	A	19931115	199829

Priority Applications (No Type Date): JP 93307065 A 19931115

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7137193	A		11	B32B-013/14	
JP 2767374	B2		11	B32B-013/14	Previous Publ. patent JP 7137193

... **comprises overlapping backing layer including cement , inorganic substance and silicone surfactant with surface base material**

...Abstract (Basic): A backing layer including water hardenable inorganic **cement** , non-water hardenable inorganic substance and silicone surface active agent, in water emulsion of resin...

...Title Terms: **CEMENT** ;

International Patent Class (Additional): **A47G-027/02** ...

**16/3,K/4 (Item 4 from file: 350)**  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2003 Thomson Derwent. All rts. reserv.

010217943 \*\*Image available\*\*  
 WPI Acc No: 1995-119197/199516  
 XRAM Acc No: C95-054812  
 XRPX Acc No: N95-093712

**Tufted carpet for floor mat of automobile - comprises ground synthetic resin impregnated ground fabric and pile layer formed by tufting ground fabric**

Patent Assignee: IKEDA BUSSAN CO (IKED )  
 Number of Countries: 001 Number of Patents: 001  
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7042065	A	19950210	JP 93204608	A	19930726	199516 B

Priority Applications (No Type Date): JP 93204608 A 19930726

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7042065	A		3	D05C-017/02	

...Abstract (Basic): resin, styrene resin, vinyl acetate resin, acryl-styrene copolymer, phenol resin, urea resin, melamine resin, **epoxy resin** , urethane resin, or monomer, oligomer, prepolymer of the



Search Report from Ginger D. Roberts

above synthetic resin...

International Patent Class (Additional): A47G-027/02 ...

16/3,K/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010083102

WPI Acc No: 1994-350815/199444

XRAM Acc No: C94-159801

XRPX Acc No: N94-275249

**Mfg carpet with sec backing which is impervious to liquids - by applying thermoplastic resin film to surface or underside of sec backing fabric**

Patent Assignee: DU PONT DE NEMOURS & CO E I (DUPO )

Inventor: VINOD Y V; VINOD Y

Number of Countries: 004 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 624681	A2	19941117	EP 94106379	A	19940425	199444 B
AU 9461833	A	19941117	AU 9461833	A	19940503	199502
CA 2121746	A	19941111	CA 2121746	A	19940420	199508

Priority Applications (No Type Date): US 9360110 A 19930510

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 624681	A2	E	8	D06N-007/00	
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Designated States (Regional): DE GB

AU 9461833	A			A47G-027/00	
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CA 2121746	A			B32B-027/08	
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...Abstract (Basic): tufts of yarn projecting from the surface of the fabric; (b) applying a latex comprising **synthetic polymer** to the underside of the backing fabric; (c) applying a thermoplastic polymeric resin in film...

International Patent Class (Additional): A47G-027/02 ...

16/3,K/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010062914 \*\*Image available\*\*

WPI Acc No: 1994-330625/199441

XRAM Acc No: C94-150606

XRPX Acc No: N94-259506

**Antimicrobial straw mat - is coated with layer contg. ceramic, synthetic resin and silver or copper ions**

Patent Assignee: IRIE O (IRIE-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 6257067	A	19940913	JP 9337000	A	19930225	199441 B

Priority Applications (No Type Date): JP 9337000 A 19930225

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 6257067	A		4	D06M-011/79	
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...Abstract (Basic): is partic. one or more metal oxides of SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, TiO<sub>2</sub> or ZrO<sub>2</sub> mixed with **synthetic polymer**, partic. polyamide or acryl resins, and soaked in coating soln. contg. Ag or Cu ion...

...International Patent Class (Additional): **A47G-027/02**

**16/3,K/7 (Item 7 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

009824036

WPI Acc No: 1994-103892/199413

XRAM Acc No: C94-047784

XRFX Acc No: N94-081130

**Floor carpet, for floors of vehicle etc - is made of laminated material of back carpet layer of cut pile yarns flocked to one side of base cloth, and a cement -contg. resin compsn.**

Patent Assignee: DIATECHS KK (DIAT-N); MITSUBISHI YUKA BADISCHE KK (MITP )  
; SENSU STREAM KK (SENS-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 6046945	A	19940222	JP 9250835	A	19920309	199413 B

Priority Applications (No Type Date): JP 9250835 A 19920309

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 6046945	A		10	A47G-027/02	

**... carpet layer of cut pile yarns flocked to one side of base cloth, and a cement -contg. resin compsn.**

**...Abstract (Basic): of cut pile yarns flocked to one side of the prim. base cloth and a cement -contg. resin compsn. contg. a resin emulsion of (Tg) of 5 deg.C or less and a hydraulic cement , which is formed on the opposite side of the cut pile yarns, and a surface layer laminated on the cement -contg. resin compsn. side of the back carpet layer...**

**...Title Terms: CEMENT ;**

International Patent Class (Main): **A47G-027/02**

**16/3,K/8 (Item 8 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

009596276

WPI Acc No: 1993-289823/199337

XRAM Acc No: C93-129270

**Prodn. of carpet with good pile pull strength - by laminating backing material, comprising resin emulsion, hydraulic cement and non-hydraulic inorganic filler**

Patent Assignee: MITSUBISHI YUKA BADISCHE KK (MITP ); SENSU STREAM KK (SENS-N); MITSUBISHI CHEM BASF CO LTD (MITU )

Inventor: ICHIHASHI K; KATOH N

Number of Countries: 007 Number of Patents: 013

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 560325	A1	19930915	EP 93103843	A	19930310	199337 B
JP 5254081	A	19931005	JP 9287474	A	19920312	199344
JP 5254082	A	19931005	JP 9287475	A	19920312	199344
JP 6154070	A	19940603	JP 92337875	A	19921126	199427
JP 6169837	A	19940621	JP 92351530	A	19921209	199429
US 5332457	A	19940726	US 9328144	A	19930309	199429
JP 2520817	B2	19960731	JP 9287474	A	19920312	199635
JP 2520818	B2	19960731	JP 9287475	A	19920312	199635

# Search Report from Ginger D. Roberts

JP 2665710	B2	19971022	JP 92337875	A	19921126	199747
SG 48988	A1	19980518	SG 964882	A	19930310	199834
JP 2796914	B2	19980910	JP 92351530	A	19921209	199841
EP 560325	B1	19990120	EP 93103843	A	19930310	199908
DE 69323103	E	19990304	DE 623103	A	19930310	199915
			EP 93103843	A	19930310	

Priority Applications (No Type Date): JP 92351530 A 19921209; JP 9287474 A 19920312; JP 9287475 A 19920312; JP 92337875 A 19921126

## Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 560325	A1	E	39	D06N-007/00	
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Designated States (Regional): DE FR GB IT

JP 5254081	A	12	B32B-031/00		
JP 5254082	A	11	B32B-031/00		
JP 6154070	A	14	A47G-027/02		
JP 6169837	A	15	A47G-027/02		
US 5332457	A	14	D06N-007/00		
JP 2520817	B2	12	B32B-031/00	Previous Publ. patent	JP 5254081
JP 2520818	B2	11	B32B-031/00	Previous Publ. patent	JP 5254082
JP 2665710	B2	13	A47G-027/02	Previous Publ. patent	JP 6154070
JP 2796914	B2	14	A47G-027/02	Previous Publ. patent	JP 6169837
EP 560325	B1	E	D06N-007/00		
				Designated States (Regional):	DE FR GB IT
DE 69323103	E		D06N-007/00	Based on patent	EP 560325
SG 48988	A1		D06N-007/00		

... by laminating backing material, comprising resin emulsion, hydraulic cement and non-hydraulic inorganic filler

...Abstract (Basic): a Tg not higher than 5 deg.C, 120-400 pts. by wt. hydraulic inorganic cement and up to 600 pts. by wt. of a non-hydraulic inorganic filler...

...Abstract (Equivalent): glass transition point below 5 deg. Celsius, 120-400 wt. pts. of a hydraulic inorganic cement and up to 600 wt. pts. of non-hydraulic inorganic filler; and (c) heating to...

...Title Terms: CEMENT ;

International Patent Class (Main): A47G-027/02 ...

16/3,K/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009365345

WPI Acc No: 1993-058824/199307

Related WPI Acc No: 1994-357341

XRAM Acc No: C93-026338

Synthetic filaments with good soiling resistance, esp. for carpets - have four-sided, cross-sectional contour and four equispaced continuous voids each substantially centred on side of the contour

Patent Assignee: DU PONT DE NEMOURS & CO E I (DUPO )

Inventor: GOODALL M T; JACKSON C A; LIN P H; LIN P; GOODALL M; JACKSON C

Number of Countries: 020 Number of Patents: 012

## Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9302234	A1	19930204	WO 92US6062	A	19920724	199307 B
US 5190821	A	19930302	US 91735241	A	19910724	199311
AU 9223937	A	19930223	AU 9223937	A	19920720	199324
US 5230957	A	19930727	US 91735241	A	19910724	199331
			US 92918539	A	19920720	
US 5279897	A	19940118	US 91735241	A	19910724	199404

# Search Report from Ginger D. Roberts

EP 595953	A1	19940511	US 92969323	A	19921030	
			EP 92916100	A	19920724	199419
			WO 92US6062	A	19920724	
JP 6509144	W	19941013	JP 92511656	A	19920724	199445
			WO 92US6062	A	19920724	
AU 655066	B	19941201	AU 9223937	A	19920724	199504
EP 595953	B1	19960103	EP 92916100	A	19920724	199606
			WO 92US6062	A	19920724	
DE 69207415	E	19960215	DE 607415	A	19920724	199612
			EP 92916100	A	19920724	
			WO 92US6062	A	19920724	
JP 3253076	B2	20020204	JP 92511656	A	19920724	200211
			WO 92US6062	A	19920724	
JP 2002088563	A	20020327	JP 92511656	A	19920724	200225
			JP 2001278084	A	19920724	

Priority Applications (No Type Date): US 92918539 A 19920720; US 91735241 A 19910724; US 92969323 A 19921030

## Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9302234	A1	E	41	D01D-005/24	
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Designated States (National): AU CA JP KR RU

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU MC NL SE

US 5190821	A		15	B05D-003/00	
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AU 9223937	A			D01D-005/24	Based on patent WO 9302234
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US 5230957	A		20	D02G-003/00	CIP of application US 91735241
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CIP of patent US 5190821

US 5279897	A		15	D02G-003/00	Div ex application US 91735241
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Div ex patent US 5190821

EP 595953	A1	E		D01D-005/24	Based on patent WO 9302234
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Designated States (Regional): BE DE FR GB IT NL

JP 6509144	W			D01D-005/24	Based on patent WO 9302234
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AU 655066	B			D01D-005/24	Previous Publ. patent AU 9223937
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Based on patent WO 9302234

EP 595953	B1	E	25	D01D-005/24	Based on patent WO 9302234
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Designated States (Regional): BE DE FR GB IT NL

DE 69207415	E			D01D-005/24	Based on patent EP 595953
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Based on patent WO 9302234

JP 3253076	B2		14	D01D-005/24	Previous Publ. patent JP 6509144
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Based on patent WO 9302234

JP 2002088563	A		16	D01D-005/24	Div ex application JP 92511656
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...Abstract (Basic): Continuous filament comprising a thermoplastic **synthetic polymer** has (a) a four sided cross-sectional contour which is free of substantial convex or...

...Abstract (Equivalent): A continuous filament, comprising a thermoplastic **synthetic polymer** and characterised by a solid axial core and four substantially equispaced continuous voids, a void...

...Abstract (Equivalent): The continuous filament comprises a thermoplastic **synthetic polymer** and has a solid axial core and four equispaced continuous non-round voids whereby the...

...Pref., the voids have equal dimensions and the **synthetic polymer** is polyolefin, polyamide or polyester esp. polypropylene, nylon 66 or PET ...

...high bulk and having improved soiling resistance and durability with continuous filaments each of thermoplastic **synthetic polymer** with a solid axial core and four equi-spaced continuous circular, triangular or preferably non...

...The continuous filament comprising a thermoplastic **synthetic polymer**

Search Report from Ginger D. Roberts

, has a solid axial core, four equi-spaced continuous V-shaped voids providing a total...

International Patent Class (Additional): A47G-027/02 ...

16/3,K/10 (Item 10 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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009039138 \*\*Image available\*\*  
WPI Acc No: 1992-166500/199220  
Related WPI Acc No: 1993-035694; 1993-159141  
XRAM Acc No: C93-070552  
XRPX Acc No: N92-124509

**Trilobal spun polymer filaments for making carpets - exhibiting low glitter, high bulk, and fibrillation resistance**

Patent Assignee: DU PONT DE NEMOURS & CO E I (DUPO )

Inventor: TUNG W; TUNG W H

Number of Countries: 014 Number of Patents: 012

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5108838	A	19920428	US 91758268	A	19910827	199220 B
EP 530489	A1	19930310	EP 92112789	A	19920727	199310
AU 9221298	A	19930304	AU 9221298	A	19920826	199316
CA 2076600	A	19930228	CA 2076600	A	19920821	199320
JP 6108302	A	19940419	JP 92246024	A	19920824	199420
ZA 9206495	A	19940427	ZA 926495	A	19920827	199421
AU 656007	B	19950119	AU 9221298	A	19920826	199510
EP 530489	B1	19960131	EP 92112789	A	19920727	199609
DE 69207999	E	19960314	DE 607999	A	19920727	199616
			EP 92112789	A	19920727	
JP 3243007	B2	20020107	JP 92246024	A	19920824	200206
CA 2076600	C	20020129	CA 2076600	A	19920821	200211
JP 2002088564	A	20020327	JP 92246024	A	19920824	200225
			JP 2001218025	A	19920824	

Priority Applications (No Type Date): US 91758268 A 19910827

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5108838	A		8		
EP 530489	A1 E	12		D01D-005/253	
Designated States (Regional): BE CH DE ES FR GB IT LI NL					
AU 9221298	A			D01D-004/02	
CA 2076600	A	24		D01D-005/253	
JP 6108302	A	8		D01D-005/253	
ZA 9206495	A	24		D04H-000/00	
AU 656007	B			D01D-004/02	Previous Publ. patent AU 9221298
EP 530489	B1 E	13		D01D-005/253	
Designated States (Regional): BE CH DE ES FR GB IT LI NL					
DE 69207999	E			D01D-005/253	Based on patent EP 530489
JP 3243007	B2	7		D01D-005/253	Previous Publ. patent JP 6108302
CA 2076600	C E			D01D-005/253	
JP 2002088564	A	8		D01D-005/253	Div ex application JP 92246024

...Abstract (Basic): **Synthetic polymer** filament is spun having a trilobal cross- section including convex curves (15-20) connected by

...Abstract (Equivalent): A filament comprising a **synthetic polymer** with a trilobal cross-section having substantial convex curves, connected by cusps (23, 24), along...

International Patent Class (Additional): A47G-027/02 ...

16/3,K/11 (Item 11 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

009000510

WPI Acc No: 1992-127790/199216

XRAM Acc No: C92-059411

XRPX Acc No: N92-095397

Releasable \$ tile carpet for easy replacement of soiled tile -  
comprising carpet raw sheet with polyacrylic emulsion tacky adhesive of  
specified ball tack on back of tile

Patent Assignee: NIPPON LATEX KAKO K (NILA-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 4070329	A	19920305	JP 90171376	A	19900630	199216 B

Priority Applications (No Type Date): JP 90171376 A 19900630

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 4070329	A		6		

...Abstract (Basic): polymers of methylmethacrylate, acrylonitrile,  
N-butyrol acrylamide, etc. are useful. The crosslinking agent is an  
epoxy resin, a melamine resin, a silane coupling agent, a block  
isocyanate, etc.. The raw sheet is...

International Patent Class (Additional): A47G-027/02 ...

16/3,K/12 (Item 12 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

008616732

WPI Acc No: 1991-120762/199117

XRAM Acc No: C91-052047

XRPX Acc No: N91-092641

Accurate tiling work on floors or walls - using synthetic resin or carpet  
tile with non-slip layer or non-slip inorganic compsn.

Patent Assignee: TAJIMA KK (TAJI-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 3059261	A	19910314	JP 89192043	A	19890725	199117 B

Priority Applications (No Type Date): JP 89192043 A 19890725

...Abstract (Basic): tile is set on a non-slip layer composed of an  
inorganic compsn., e.g., cement mortar contg. coarse aggregate of  
grain size 0.3-1 mm., which is placed on...

International Patent Class (Additional): A47G-027/02 ...

16/3,K/13 (Item 13 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

008194308

WPI Acc No: 1990-081309/199011

XRAM Acc No: C90-035860

XRPX Acc No: N90-062468

Tufted carpet - mfd. by placing cement compsn. in lined base fabric for

**impregnation to second fabric**

Patent Assignee: CHIBA H (CHIB-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2036812	A	19900206	JP 88189511	A	19880727	199011 B

Priority Applications (No Type Date): JP 88189511 A 19880727

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2036812	A		5		

... mfd. by placing cement compsn. in lined base fabric for impregnation to second fabric

...Abstract (Basic): A water permeable base fabric is lined and cement composition is applied and lined to be impregnated in the secondary base fabric to be...

...Title Terms: CEMENT ;

International Patent Class (Additional): A47G-027/02 ...

**16/3,K/14 (Item 14 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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007976269 \*\*Image available\*\*

WPI Acc No: 1989-241381/198933

XRAM Acc No: C89-107552

XRPX Acc No: N89-183958

**Yarn with less than 20 per cent of fibres contg. antimicrobials - comprises synthetic polymer for use in textiles, fabrics and carpets**

Patent Assignee: BASF CORP (BADI )

Inventor: BURTON W L

Number of Countries: 016 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4842932	A	19890627	US 88165645	A	19880308	198933 B
EP 332397	A	19890913	EP 89302258	A	19890307	198937
JP 2006610	A	19900110	JP 8953083	A	19890307	199008
CA 1303836	C	19920623	CA 591634	A	19890221	199231
EP 332397	B1	19921125	EP 89302258	A	19890307	199248
DE 68903582	E	19930107	DE 603582	A	19890307	199302
			EP 89302258	A	19890307	
ES 2045409	T3	19940116	EP 89302258	A	19890307	199407

Priority Applications (No Type Date): US 88165645 A 19880308

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4842932	A		8		
EP 332397	A	E			

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE

EP 332397 B1 E 17 D06M-016/00

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE

DE 68903582 E D06M-016/00 Based on patent EP 332397

ES 2045409 T3 D06M-016/00 Based on patent EP 332397

CA 1303836 C B32B-027/18

... comprises synthetic polymer for use in textiles, fabrics and carpets

...Abstract (Basic): Antimicrobial yarn contg. a mixt. of individual

filaments comprises a fibre forming **synthetic polymer** and in which at least one filament but less than 20% of the total no...  
...Abstract (Equivalent): A yarn having antimicrobial properties containing a mixture of individual filaments comprising a fibre-forming **synthetic polymer** characterised in that at least one of said individual filaments but less than 20% of...  
International Patent Class (Additional): **A47G-027/02** ...

**16/3,K/15** (Item 15 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

007930158

WPI Acc No: 1989-195270/198927

XRAM Acc No: C89-086298

XRPX Acc No: N89-149266

**Artificial sand-filled ground - comprises laminate of (non)woven e.g. polypropylene fibres base and flocked nylon pile on cement , etc.**

Patent Assignee: TORAY IND INC (TORA )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 1131627	A	19890524	JP 87289633	A	19871118	198927 B

Priority Applications (No Type Date): JP 87289633 A 19871118

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 1131627	A		3		

... **comprises laminate of (non)woven e.g. polypropylene fibres base and flocked nylon pile on cement , etc.**

...Title Terms: **CEMENT**

International Patent Class (Additional): **A47G-027/02**

**16/3,K/16** (Item 16 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

007517999

WPI Acc No: 1988-151932/198822

XRAM Acc No: C88-067880

XRPX Acc No: N88-115940

**Zeolite sheet used as deodorising sheet - produced from slurry prepd. by adding cationic acryl resin and polyacrylamide flocculant to zeolite and cellulose fibre and dispersing it**

Patent Assignee: AZUMI ROSHI KK (AZUM-N); NITTO HUNKA SHOJI KK (NITT-N);

SUNSTAR CHEM IND (SUNZ )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 63093350	A	19880423	JP 86241059	A	19861008	198822 B
JP 93021024	B	19930323	JP 86241059	A	19861008	199314

Priority Applications (No Type Date): JP 86241059 A 19861008

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 63093350	A		4		
JP 93021024	B		4	B01J-020/18	Based on patent JP 63093350

... **produced from slurry prepd. by adding cationic acryl resin and polyacrylamide flocculant to zeolite and cellulose fibre and dispersing**



it

...Abstract (Basic): Zeolite sheet is produced from slurry prepd. by adding cationic acryl resin and **polyacrylamide** flocculant to a mixt. of granular or powdered zeolite and cellulose fibre and dispersing it...

...10 wt. pts. of cationic acryl resin and 0.1-0.7 wt. parts of **polyacrylamide** flocculant. Granular or powdered zeolite has a particle size of 300-0.5 micro-m. Cationic acryl resin and **polyacrylamide** flocculant act as binder of zeolite and cellulose fibre. Using **polyacrylamide** flocculant, zeolite and cellulose fibre are dispersed and flocs of zeolite and cellulose are formed...

...Title Terms: **POLYACRYLAMIDE** ;

...International Patent Class (Additional): **A47G-027/02**

**16/3,K/17** (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007425075

WPI Acc No: 1988-059010/198809

Related WPI Acc No: 1988-059013

XRAM Acc No: C88-026301

**Compsn. for washing resistant carpet backing - prepd. by adding blocked polyisocyanate to aq. dispersion of high polymer**

Patent Assignee: GANZ KASEI KK (GANZ-N); TAKEDA CHEM IND LTD (TAKE )

Inventor: KAMATANI Y; MIWA M

Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 63012764	A	19880120	JP 8756369	A	19870311	198809 B
JP 92044034	B	19920720	JP 8756369	A	19870311	199233
US 5401553	A	19950328	US 8723701	A	19870309	199518
			US 89445149	A	19891205	
			US 91732427	A	19910718	
			US 92973313	A	19921109	
KR 9603293	B1	19960308	KR 872422	A	19870317	199911

Priority Applications (No Type Date): JP 8660255 A 19860317; JP 8756369 A 19870311; JP 8660256 A 19860317

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 63012764	A		7		
JP 92044034	B		7	D06M-015/693	Based on patent JP 63012764
US 5401553	A		7	B32B-003/02	Cont of application US 8723701
					Cont of application US 89445149
					Div ex application US 91732427
KR 9603293	B1			C09J-121/00	

...Abstract (Equivalent): 1-10 pts.wt. of a melamine resin, up to 10 pts.wt. of an **epoxy resin** and 100 pts.wt. of filler, all wrt. 100 pts.wt. of the solids of...

International Patent Class (Additional): **A47G-027/02** ...

**16/3,K/18** (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007211685

WPI Acc No: 1987-208694/198730

Search Report from Ginger D. Roberts

XRAM Acc No: C87-087395

XRPX Acc No: N87-155980

**Backing carpets - by contact with extrudate obt'd. from polyethylene copolymer, tackifier resin, filler and opt. plasticiser**

Patent Assignee: NIPPON OIL KK (NIOC )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 62133909	A	19870617	JP 85272782	A	19851204	198730 B

Priority Applications (No Type Date): JP 85272782 A 19851204

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 62133909	A		8		

...Abstract (Basic): pref. CaCO<sub>3</sub>, BaSO<sub>4</sub>, Al(OH)<sub>3</sub>, Mg(OH)<sub>2</sub>, clay, MgCO<sub>3</sub>, CaSO<sub>4</sub>, silica, fly ash, **cement** powder, Fe powder, Al powder, cu powder, Fe<sub>2</sub>O<sub>3</sub>, Al<sub>2</sub>O<sub>3</sub> or CaO...

International Patent Class (Additional): **A47G-027/02** ...

**16/3,K/19 (Item 19 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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004687539

WPI Acc No: 1986-190881/198630

XRAM Acc No: C86-082174

XRPX Acc No: N86-142652

**Low cost absorbent mats useful as disposable floor mats - comprising absorbent inner layer of microfibrres, continuous filament nonwoven web wear surface and liq.-impervious surface**

Patent Assignee: KIMBERLY CLARK CORP (KIMB )

Inventor: KNOPP G J; NIELSEN D A; ROCKETT L T; SHIPP P W

Number of Countries: 014 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 188005	A	19860723	EP 85116654	A	19851230	198630 B
AU 8551746	A	19860710				198634
US 4609580	A	19860902	US 85689421	A	19850107	198638
CA 1258957	A	19890905				198940
EP 188005	B	19901003				199040
DE 3580021	G	19901108				199046
EP 188005	B2	19931215	EP 85116654	A	19851230	199350

Priority Applications (No Type Date): US 85689421 A 19850107

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 188005	A	E	20		

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

EP 188005 B

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

EP 188005 B2 E 10 A47G-027/02

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

...Abstract (Equivalent): wt. 15-200 gms. per sq.m., and a backing surface of waterproof film, pref. **synthetic polymer** film...

International Patent Class (Main): **A47G-027/02**

**16/3,K/20 (Item 20 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

Search Report from Ginger D. Roberts

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004336112

WPI Acc No: 1985-162990/198527

XRAM Acc No: C85-071472

**Resin compsn. mfr. for forming elastic film - by mixing aq. resin emulsion, water-curing cement and foaming resin particles**

Patent Assignee: YUKA-BADISCHE KK (YUKA-N); YUKA BADISCHE KK (YUKA-N)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 60094470	A	19850527	JP 83202510	A	19831031	198527 B
JP 92071110	B	19921112	JP 83202510	A	19831031	199250

Priority Applications (No Type Date): JP 83202510 A 19831031

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 60094470	A		5		
JP 92071110	B		5	C09D-005/02	Based on patent JP 60094470

... by mixing aq. resin emulsion, water-curing cement and foaming resin particles

...Abstract (Basic): deg.C., 10-60 (V) % (per total vol. (A) and (B)) of (B) water-curing cement with 100-600 (V) % (based on wt. of (A)) (C) foaming particles of resin of...

...Title Terms: CEMENT ;

International Patent Class (Additional): A47G-027/02 ...

16/3,K/21 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003667708

WPI Acc No: 1983-27680K/198312

XRAM Acc No: C83-027122

XRPX Acc No: N83-050294

**Planar laminated element - with top-fibre mat needled to bottom carrier layer across granular particle layer**

Patent Assignee: TESCH G H (TESC-I)

Inventor: TESCH G

Number of Countries: 013 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 73919	A	19830316	EP 82106678	A	19820723	198312 B
JP 58023950	A	19830212				198312
CA 1188072	A	19850604				198527
EP 73919	B	19860910				198637
DE 3273189	G	19861016				198643
JP 90035063	B	19900808	JP 82129707	A	19820727	199035

Priority Applications (No Type Date): DE 3129495 A 19810727

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 73919	A	G	21		

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

EP 73919 B G

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

...Abstract (Basic): layer of granular filler material and are needled through these granules, consisting of sand, gravel, cement, baryte or alumina...

International Patent Class (Additional): **A47G-027/02 ...**

**16/3,K/22 (Item 22 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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002525468

WPI Acc No: 1980-43497C/198025

**Antistatic fibres with matrix and segment structure - with electrically conductive powder dispersed in one component, useful for textiles and carpets**

Patent Assignee: AKZO GMBH (ALKU )

Inventor: MEER S J; PESCHKE W; SCHILO D

Number of Countries: 008 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2850713	A	19800612				198025 B
GB 2036638	A	19800702				198027
SE 7909640	A	19800623				198028
DK 7904932	A	19800623				198029
FR 2442284	A	19800725				198037
GB 2036638	B	19830309				198310
CA 1150019	A	19830719				198335
CH 641845	A	19840315				198416
DE 2850713	C	19861009				198641
AT 7907359	A	19880715				198833

Priority Applications (No Type Date): DE 2850713 A 19781123

...Abstract (Basic): Antistatic fibre structure consists of multi-component fibres of  $\geq 2$  **synthetic polymer** components, one of which is an electrically non-conducting, thermoplastic, fibre-forming polymer (I), whilst one of the other is a thermoplastic **synthetic polymer** (II) contg. dispersed, electrically conducting power (III), which has a specific breakdown resistance of  $<10^{13}$ ...

International Patent Class (Additional): **A47G-027/02 ...**

**16/3,K/23 (Item 23 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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002063264

WPI Acc No: 1978-76330A/197843

**Needle-felt coverings binder giving improved wear resistance - comprises synthetic polymer latex with water-soluble cpd. content reduced by ultrafiltration**

Patent Assignee: RHONE POULENC IND (RHON )

Number of Countries: 012 Number of Patents: 016

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
BE 866265	A	19781023				197843 B
DE 2817226	A	19781026				197844
NL 7804306	A	19781024				197845
FR 2387999	A	19781222				197904
JP 53146734	A	19781220				197905
BR 7802497	A	19790123				197906
PT 67939	A	19790323				197915
DE 2817226	B	19790906				197937
GB 1578107	A	19801029				198044
US 4246309	A	19810120				198106
US 4298637	A	19811103				198147

Search Report from Ginger D. Roberts

CH 630968	A	19820715	198232
CA 1131081	A	19820907	198243
JP 82053459	B	19821112	198249
US 4370426	A	19830125	198306
AT 7802885	A	19831115	198351

Priority Applications (No Type Date): FR 7712160 A 19770422

... comprises synthetic polymer latex with water-soluble cpd. content reduced by ultrafiltration

...Abstract (Basic): for the mfr. of needle felt coverings is based on an aq. latex of a **synthetic polymer**, and characterised by a water-soluble cpd. content in the aq. phase of less than...

International Patent Class (Additional): **A47G-027/02** ...

**16/3,K/24 (Item 24 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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001796472

WPI Acc No: 1977-17438Y/197710

**Rendering floors of e.g. iron and concrete nonslip - by applying a resin coated synthetic fibre sheet to the floor**

Patent Assignee: KANAI H (KANA-I)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 52011622	A	19770128				197710 B
JP 85009189	B	19850308				198514

Priority Applications (No Type Date): JP 7587526 A 19750716

...Abstract (Basic): of grinding granules to 100 pts. of a resin such as a phenol resin, an **epoxy resin** etc., so that the grinding granules and the resin are adhered to the resin-coated...

International Patent Class (Additional): **A47G-027/02** ...

**16/3,K/25 (Item 1 from file: 347)**

DIALOG(R)File 347:JAPIO

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06237130 \*\*Image available\*\*

PRODUCTION OF CARPET

PUB. NO.: 11-178701 [JP 11178701 A]

PUBLISHED: July 06, 1999 (19990706)

INVENTOR(s): ENDO KATSUAKI  
FUKUSHIMA KENICHI

APPLICANT(s): MITSUBISHI KAGAKU BASF KK

APPL. NO.: 09-367264 [JP 97367264]

FILED: December 24, 1997 (19971224)

INTL CLASS: **A47G-027/02** ; B32B-013/14

ABSTRACT

...time for drying and curing.

SOLUTION: A Backing material slurry 21 prepd. by using a **cement** compsn. composed of hydraulic inorg. powder contg. 4 to 25 wt.% alumina **cement**

March 11, 2003 15 16:31

and an aq. resin dispersion is molded to a sheet form and a carpet base...

16/3,K/26 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

06195850 \*\*Image available\*\*  
MAT WITH MAGNET

PUB. NO.: 11-137404 [JP 11137404 A]  
PUBLISHED: May 25, 1999 (19990525)  
INVENTOR(s): TSUTSUMI AKIO  
APPLICANT(s): TSUTSUMI AKIO  
APPL. NO.: 09-341820 [JP 97341820]  
FILED: November 05, 1997 (19971105)

INTL CLASS: A47G-027/04; A47G-027/02

ABSTRACT

...of a mat and prevent breakage of joining between a vinyl floor panel and a **cement** adhesion at the time of installation or removal by providing a felt magnet on the...

16/3,K/27 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05324745 \*\*Image available\*\*  
MEDIUM, PILE FOR ARTIFICIAL LAWN GRASS AND ARTIFICIAL LAWN GRASS STRUCTURE

PUB. NO.: 08-280245 [JP 8280245 A]  
PUBLISHED: October 29, 1996 (19961029)  
INVENTOR(s): MURAKAMI FUMIO  
TAZAWA HISASHI  
APPLICANT(s): TORAY IND INC [000315] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 07-091191 [JP 9591191]  
FILED: April 17, 1995 (19950417)

INTL CLASS: A01G-001/00; A01G-001/12; A47G-027/02 ; C08L-067/02;  
C08L-067/04; D01F-006/62; D01F-006/62; D01F...

ABSTRACT

PURPOSE: To obtain a medium comprising an interlaced material of a biodegradable **synthetic polymer** fiber, capable of being readily supplied in a short time, having no anxiety of incineration...

...CONSTITUTION: This medium comprises an interlaced material comprising one biodegradable **synthetic polymer** fiber selected from .epsilon.-caprolactone/.epsilon.-caprolactam copolymer, a polycaprolactone, an aliphatic polyester and a...

... for artificial lawn grass preferably comprises a filament or a film composed of the biodegradable **synthetic polymer** fiber and an artificial lawn grass structure is produced by using the pile.

16/3,K/28 (Item 4 from file: 347)  
DIALOG(R)File 347:JAPIO  
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Search Report from Ginger D. Roberts

05070041    \*\*Image available\*\*  
UNDERLAY SHEET

PUB. NO.:        08-025541 [JP 8025541 A]  
PUBLISHED:       January 30, 1996 (19960130)  
INVENTOR(s):     TERADA YASUMASA  
                  OTAGURO MAKOTO  
                  USUI YOSHIHARU  
                  CHIMOTO KENJI  
APPLICANT(s):    DAIWABO CO LTD [000292] (A Japanese Company or Corporation),  
                  JP (Japan)  
APPL. NO.:       06-188798 [JP 94188798]  
FILED:           July 18, 1994 (19940718)  
  
INTL CLASS:      B32B-005/26;    **A47G-027/02** ; B32B-005/02; B32B-027/12

ABSTRACT

...CONSTITUTION: Large number of **synthetic polymer** continuous lines 3,  
3 which are extremely flexible as compared with the other polymer and...

16/3,K/29        (Item 5 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

04844593  
MANUFACTURE OF CARPET

PUB. NO.:        07-137193 [JP 7137193 A]  
PUBLISHED:       May 30, 1995 (19950530)  
INVENTOR(s):     KATO NAOYUKI  
                  ICHIHASHI KENZO  
                  TAKAO HIROKI  
APPLICANT(s):    MITSUBISHI CHEM BASF CO LTD [488964] (A Japanese Company or  
                  Corporation), JP (Japan)  
                  SENSU STREAM KK [000000] (A Japanese Company or Corporation)  
                  , JP (Japan)  
APPL. NO.:       05-307065 [JP 93307065]  
FILED:           November 15, 1993 (19931115)  
  
INTL CLASS:      B32B-013/14;    **A47G-027/02** ; B32B-009/00

ABSTRACT

PURPOSE: To manufacture efficiently a resin **cement** -lined carpet having  
superb floor cohesion, flexibility, size stability, pliability and  
contraction resistance by shortening...  
... of a packing material composition layer of a resin water emulsion, a  
water-curable inorganic **cement** and a non-water curable inorganic matter  
laminated on a carpet surface base material. In...

16/3,K/30        (Item 6 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

04525937  
MANUFACTURE OF CARPET

PUB. NO.:        06-169837 [JP 6169837 A]  
PUBLISHED:       June 21, 1994 (19940621)  
INVENTOR(s):     KATO NAOYUKI

Search Report from Ginger D. Roberts

ICHIHASHI KENZO  
APPLICANT(s): MITSUBISHI YUKA BADISCHE CO LTD [488964] (A Japanese Company  
or Corporation), JP (Japan)  
SENSHIYUU STREAM KK [000000] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 04-351530 [JP 92351530]  
FILED: December 09, 1992 (19921209)  
JOURNAL: Section: C, Section No. 1251, Vol. 18, No. 501, Pg. 130,  
September 20, 1994 (19940920)

INTL CLASS: A47G-027/02 ; B32B-013/14; D06M-015/70; D06M-017/00

ABSTRACT

... resin aqueous emulsion coating agent to a backing material composite layer composed of hydraulic inorganic **cement** powder and non- hydraulic inorganic powder is superposed on resin aqueous emulsion, brought into press...

...to +50 deg.C is as a backing material composition, and 120-400 pts.wt. **cement** powder and 160-600 resin aqueous emulsion having a glass transition point of -10 pts...

16/3,K/31 (Item 7 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

04510170  
PRODUCTION OF CARPET

PUB. NO.: 06-154070 [JP 6154070 A]  
PUBLISHED: June 03, 1994 (19940603)  
INVENTOR(s): KATO NAOYUKI  
ICHIHASHI KENZO  
APPLICANT(s): MITSUBISHI YUKA BADISCHE CO LTD [488964] (A Japanese Company  
or Corporation), JP (Japan)  
SENSHIYUU STREAM KK [000000] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 04-337875 [JP 92337875]  
FILED: November 26, 1992 (19921126)  
JOURNAL: Section: C, Section No. 1245, Vol. 18, No. 471, Pg. 160,  
September 02, 1994 (19940902)

INTL CLASS: A47G-027/02 ; D06M-017/00

ABSTRACT

... coating material of a resin on the layer of a packing material composition containing inorganic **cement** powder in the water emulsion of a resin and curing and drying this laminate by...

...the packing material composition is obtained by incorporating 160 to 360 pts.wt. hydraulic inorganic **cement** powder and 160 to 460 pts.wt. non-hydraulic inorganic powder per 100 pts.wt...

16/3,K/32 (Item 8 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04403045 \*\*Image available\*\*  
AREA RUG



Search Report from Ginger D. Roberts

PUB. NO.: 06-046945 [JP 6046945 A]  
PUBLISHED: February 22, 1994 (19940222)  
INVENTOR(s): KATO NAOYUKI  
FUKUSHIMA TAKASHI  
ICHIHASHI KENZO  
APPLICANT(s): MITSUBISHI YUKA BADISCHE CO LTD [488964] (A Japanese Company  
or Corporation), JP (Japan)  
DIATEX CO LTD [490104] (A Japanese Company or Corporation),  
JP (Japan)  
SENSHIYUU STREAM KK [000000] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 04-050835 [JP 9250835]  
FILED: March 09, 1992 (19920309)  
JOURNAL: Section: C, Section No. 1204, Vol. 18, No. 276, Pg. 2, May  
26, 1994 (19940526)  
  
INTL CLASS: **A47G-027/02** ; B32B-005/00; B60N-003/04; D05C-017/02;  
D06N-007/00

ABSTRACT

... one side to the other under specified conditions, and a resin compound containing a specified **cement** is coated and dried on the opposite side to the cut pile threads to bond...

... to the other under the conditions mentioned below, and then a resin compound (c) containing **cement** is coated and dried on the opposite side to the cut pile threads (b). The...

... of the pile thread is 800-900 deniers. In addition, the resin compound (c) containing **cement** is composed of a resin emulsion c(sup 1) having a glass transition point T(sub g) of 5 deg.C or lower and a hydraulic **cement** c(sup 2) and is coated and dried.

16/3,K/33 (Item 9 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04262382  
PRODUCTION OF CARPET

PUB. NO.: 05-254082 [JP 5254082 A]  
PUBLISHED: October 05, 1993 (19931005)  
INVENTOR(s): KATO NAOYUKI  
ICHIHASHI KENZO  
APPLICANT(s): MITSUBISHI YUKA BADISCHE CO LTD [488964] (A Japanese Company  
or Corporation), JP (Japan)  
SENSHIYUU STREAM KK [000000] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 04-087475 [JP 9287475]  
FILED: March 12, 1992 (19920312)  
JOURNAL: Section: M, Section No. 1538, Vol. 18, No. 9, Pg. 147,  
January 10, 1994 (19940110)  
  
INTL CLASS: B32B-031/00; **A47G-027/02** ; D06M-011/00; D06M-015/263;  
D06M-017/04; D06N-007/00; E04F...

ABSTRACT

... backing material composition is prepared by adding 120-400 pts.wt. of a hydraulic inorganic **cement** powder, 20-200 pts.wt. of foam particles and 0-300 pts.wt. of a...

16/3,K/34 (Item 10 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

04262381  
PRODUCTION OF CARPET

PUB. NO.: 05-254081 [JP 5254081 A]  
PUBLISHED: October 05, 1993 (19931005)  
INVENTOR(s): KATO NAOYUKI  
ICHIHASHI KENZO  
APPLICANT(s): MITSUBISHI YUKA BADISCHE CO LTD [488964] (A Japanese Company  
or Corporation), JP (Japan)  
SENSHIYUU STREAM KK [000000] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 04-087474 [JP 9287474]  
FILED: March 12, 1992 (19920312)  
JOURNAL: Section: M, Section No. 1538, Vol. 18, No. 9, Pg. 146,  
January 10, 1994 (19940110)  
INTL CLASS: B32B-031/00; **A47G-027/02** ; B32B-013/14; D06M-011/00;  
D06M-015/263; D06M-017/04; D06N...

ABSTRACT

... the backing material composition is prepared by adding 120-400 pts.wt.  
of hydraulic inorganic **cement** powder and 250-600 pts.wt. of a  
non-hydraulic inorganic powder to an aqueous...

16/3,K/35 (Item 11 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

03061312 \*\*Image available\*\*  
TUFTED CARPET AND LAYING METHOD THEREOF

PUB. NO.: 02-036812 [JP 2036812 A]  
PUBLISHED: February 06, 1990 (19900206)  
INVENTOR(s): CHIBA SHIGEO  
APPLICANT(s): CHIBA HIROKO [000000] (An Individual), JP (Japan)  
APPL. NO.: 63-189511 [JP 88189511]  
FILED: July 27, 1988 (19880727)  
JOURNAL: Section: C, Section No. 711, Vol. 14, No. 192, Pg. 134, April  
19, 1990 (19900419)  
INTL CLASS: **A47G-027/02** ; D06M-017/00

ABSTRACT

... pieces, and tightly contacting the pieces each other by use of a bond  
made of **cement** composition in conformity of the projections on a floor...

...CONSTITUTION: A **cement** composition is applied to a floor 12, then  
tufted carpet 11 pieces obtained by cutting...  
... secondary base material at its back surface are superposed on the face  
15 where the **cement** composition is set under non-hardened conditions,  
whereby the composition 15 is hydro-hardened while it enters inside the  
material 14. The **cement** material 15 also enters a third base material 16  
of each carpet piece, then especially...

16/3,K/36 (Item 12 from file: 347)  
DIALOG(R)File 347:JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

02476450  
ZEOLITE SHEET

PUB. NO.: 63-093350 [JP 63093350 A]  
PUBLISHED: April 23, 1988 (19880423)  
INVENTOR(s): AZUMI TAKASHI  
FUTABA KAZUHIISA  
FUJII MASANOBU  
YAMANAKA SHIGEMIKI  
KIRINO MASAYOSHI  
MAEKAWA KIYOSHI  
APPLICANT(s): AZUMI ROSHI KK [365025] (A Japanese Company or Corporation),  
JP (Japan)  
NITTO FUNKA SHOJI KK [000000] (A Japanese Company or  
Corporation), JP (Japan)  
SUNSTAR INC [359117] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 61-241059 [JP 86241059]  
FILED: October 08, 1986 (19861008)  
JOURNAL: Section: C, Section No. 526, Vol. 12, No. 333, Pg. 23,  
September 08, 1988 (19880908)  
INTL CLASS: B01J-020/18; A01K-001/015; **A47G-027/02**

ABSTRACT

...10pts.wt. of a cationic acrylic resin and 0.1-0.7pts.wt. of a  
**polyacrylamide** flocculant are added to 100pts.wt. of the mixture of  
zeolite and the cellulose fiber...

16/3,K/37 (Item 13 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

01042142  
SOUND INSULATING CARPET BACKING MATERIAL COMPOSITION

PUB. NO.: 57-192442 [JP 57192442 A]  
PUBLISHED: November 26, 1982 (19821126)  
INVENTOR(s): SAITO TAKAO  
EMURA TOKUAKI  
YOKOMIZO SOICHIRO  
MURAOKA MOICHI  
APPLICANT(s): TOYO SODA MFG CO LTD [000330] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 56-062578 [JP 8162578]  
FILED: April 27, 1981 (19810427)  
JOURNAL: Section: C, Section No. 151, Vol. 07, No. 39, Pg. 157,  
February 17, 1983 (19830217)  
INTL CLASS: C08L-023/08; **A47G-027/02** ; C08K-003/00; D06N-007/00

ABSTRACT

... excellent mechanical strength and coating processability, containing an  
ethylene/vinyl acetate copolymer and finely divided **cement** as main  
components...

...5-35wt% and a melt index of 1-400g/10min, 50-80pts.wt. finely divided  
**cement** (a blend composed of 70-90pts. limestone, 10-20pts. clay, 1-5pts.  
silica and 1...  
?

?t8/4/all

8/4/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

IM- \*Image available\*

AA- 2001-183076/200118|

DX- <RELATED> 2002-105510|

XR- <XRPX> N01-130655|

TI- **Grouted** edge creating apparatus has conveyor belts to advance rectangular flooring module past treating heads in orthogonal directions relative to each other and at different speeds to treat respective pair of opposed edges of module|

PA- INTERFACE INC (INTE-N); BRADFORD J (BRAD-I); GRAY K N (GRAY-I); GUSTASHAW D H (GUST-I); OAKEY D D (OAKE-I); ROMAN J J (ROMA-I)|

AU- <INVENTORS> BRADFORD J; GRAY K; GUSTASHAW D H; OAKEY D D; SCOTT G A; GRAY K N; ROMAN J J|

NC- 091|

NP- 004|

PN- WO 200111133 A1 20010215 WO 2000US1717 A 20000125 200118 B|

PN- AU 200028582 A 20010305 AU 200028582 A 20000125 200130

PN- US 20020071930 A1 20020613 US 99130795 P 19990423 200243

<AN> US 99148043 P 19990804

<AN> WO 2000US1717 A 20000125

<AN> US 2001882849 A 20010615

PN- EP 1208259 A1 20020529 EP 2000907014 A 20000125 200243

<AN> WO 2000US1717 A 20000125|

AN- <LOCAL> WO 2000US1717 A 20000125; AU 200028582 A 20000125; US 99130795 P 19990423; US 99148043 P 19990804; WO 2000US1717 A 20000125; US 2001882849 A 20010615; EP 2000907014 A 20000125; WO 2000US1717 A 20000125|

AN- <PR> US 99148043 P 19990804; US 99130795 P 19990423; US 2001882849 A 20010615|

FD- WO 200111133 A1 D06C-025/00

<DS> (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

<DS> (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

FD- AU 200028582 A D06C-025/00 Based on patent WO 200111133

FD- US 20020071930 A1 B32B-003/02 Provisional application US 99130795

Provisional application US 99148043

CIP of application WO 2000US1717

FD- EP 1208259 A1 D06C-025/00 Based on patent WO 200111133

<DS> (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE|

LA- WO 200111133(E<PG> 30); EP 1208259(E)|

DS- <NATIONAL> AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW|

DS- <REGIONAL> AT; BE; CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE; IT; KE; LS; LU; MC; MW; NL; OA; PT; SD; SE; SL; SZ; TZ; UG; ZW; LI|

AB- <PN> WO 200111133 A1|

AB- <NV> NOVELTY - The apparatus has two conveyor belts (21, 23) to advance a rectangular flooring module past two or more treating heads (30, 32) in orthogonal directions relative to each and at different speeds to treat a respective pair of opposed edges of the module. The treating heads comprise a heat source, which comprise hot air gun or a glue gun, in which their depth and angle is adjustable.|

AB- <BASIC> DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for: 1) a method for imparting a **grouted** edge appearance, 2) a flooring module usable with other similar modules to provide a floor covering, 3) an apparatus for creating a **grouted** edge appearance on an edge of a **flooring module** having a **textile fiber** face, 4) an apparatus for creating a **flooring module** of **textile fiber** face having edges different in appearance from the remainder of the face, comprising a treating unit to treat edges that remains stationary relative to a moving **module**, 5) an apparatus for creating a **flooring module** of **textile fiber** face having edges different in appearance from the remainder of the face, 6) a floor covering, 7) a method of changing the appearance of an edge portion of a **flooring module** having a **textile fiber** face, and 8) a method for installing a floor covering having a number of modules of textile fiber face material having edges different in appearance from the remainder of the face positioned with abutting edges.

USE - For creating a **grouted** edge appearance on a rectangular **flooring module** having a **textile fiber** face and two pairs of opposed edges.

DESCRIPTION OF DRAWING(S) - The figure shows a top plan view of the **grouted** edge creating apparatus with the conveyor belts and heat guns to produce a **grouted** appearance on a modular flooring.

Conveyor belts (21, 23)

Treating heads (30, 32)

pp; 30 DwgNo 7A/10|

DE- <TITLE TERMS> **GROUT** ; EDGE; APPARATUS; CONVEYOR; BELT; ADVANCE; RECTANGLE; FLOOR; MODULE; PASS; TREAT; HEAD; ORTHOGONAL; DIRECTION; RELATIVE; SPEED; TREAT; RESPECTIVE; PAIR; OPPOSED; EDGE; MODULE|

DC- P27; P73|

IC- <MAIN> B32B-003/02; D06C-025/00|

IC- <ADDITIONAL> A47G-027/02; D06N-007/00|

FS- EngPI||

8/4/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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IM- \*Image available\*

AA- 2000-601991/200057|

XR- <XRAM> C00-180157|

XR- <XRPX> N00-445431|

TI- Free lay flooring system, includes a base matrix, and a replaceable wear surface|

PA- INTERFACE INC (INTE-N)|

AU- <INVENTORS> SCOTT G|

NC- 090|

NP- 002|

PN- WO 200053865 A1 20000914 WO 2000US6268 A 20000310 200057 B|

PN- AU 200038739 A 20000928 AU 200038739 A 20000310 200067|

AN- <LOCAL> WO 2000US6268 A 20000310; AU 200038739 A 20000310|

AN- <PR> US 99123884 P 19990311|

FD- WO 200053865 A1 E04F-015/14

<DS> (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

<DS> (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

FD- AU 200038739 A E04F-015/14 Based on patent WO 200053865|

LA- WO 200053865(E<PG> 14)|

DS- <NATIONAL> AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM

EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS  
LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG US UZ VN YU ZA ZW|

DS- <REGIONAL> AT; BE; CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE;  
IT; KE; LS; LU; MC; MW; NL; OA; PT; SD; SE; SL; SZ; TZ; UG; ZW|

AB- <PN> WO 200053865 A1|

AB- <NV> NOVELTY - A free lay flooring system (10) comprises a base matrix (12), and a replaceable wear surface (14) adapted to fit within the base matrix.|

AB- <BASIC> DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method for assembling a free lay system comprising positioning base matrices having divider partitions which forms flooring recesses, and placing a replaceable wear surface in each flooring recess.

USE - As a flooring system.

ADVANTAGE - The invention has a wear surface which is easily replaced. It also provides many design options for the replaceable wear surface.

DESCRIPTION OF DRAWING(S) - The figures show a perspective view of the free lay flooring system and a cross-sectional view of the replaceable wear surface.

Free lay flooring system (10)

Base matrix (12)

Replaceable wear surface (14)

Flooring recesses (16)

Divider partitions (18)

Carpet tile (24)

pp; 14 DwgNo 1/4|

AB- <TF> TECHNOLOGY FOCUS - CERAMICS AND GLASS - Preferred Material: The replaceable wear surface is ceramic **tile**, **carpet tile** (24), or other floor covering materials (preferably **carpet tile**). The **carpet tile** extends outwardly from the base matrix above a level of the divider partitions. It further comprises a backing layer positioned between the **carpet tile** and the base matrix. It is flush mounted within the flooring recess at a level even with the divider partitions.

TEXTILES AND PAPER - Preferred Material: The replaceable wear surface is carpet, fabric, or other floor covering materials.

ORGANIC CHEMISTRY - Preferred Material: The replaceable wear surface is vinyl flooring, wood, or other floor covering materials.

POLYMERS - Preferred Material: The base matrix contours to a floor or subfloor and is one-eighth inch thick. It is constructed of an elastomer, and secures to a floor by an adhesive|

AB- <XA> EXAMPLE - In an EMBODIMENT of the invention, the base matrix further comprises flooring recesses (16) to receive the replaceable wear surface. Divider partitions (18) surround each flooring recess. They are arranged so that each partition is joined at 90degrees forming a square around the recess. When viewing the base matrix from above, the combinations of divider partitions and replaceable wear surface disposed in the flooring recess appear as a flooring surface surrounded by **grout**. The replaceable wear surface fits flush within the flooring recess that allows the replaceable wear surface to remain in position when a downward pressure is exerted on the base matrix. The system further comprises a pocket formed by the flooring recesses for receiving the replaceable wear surface.|

DE- <TITLE TERMS> FREE; LAY; FLOOR; SYSTEM; BASE; MATRIX; REPLACE; WEAR; SURFACE|

DC- A93; Q45|

IC- <MAIN> E04F-015/14|

IC- <ADDITIONAL> E04F-015/22|

MC- <CPI> A12-R03|

FS- CPI; EngPI||

?

?t8/4/all

8/4/1 (Item 1 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
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IM- \*Image available\*

AA- 2001-183076/200118|

DX- &lt;RELATED&gt; 2002-105510|

XR- &lt;XRPX&gt; N01-130655|

TI- **Grouted** edge creating apparatus has conveyor belts to advance rectangular flooring module past treating heads in orthogonal directions relative to each other and at different speeds to treat respective pair of opposed edges of module|

PA- INTERFACE INC (INTE-N); BRADFORD J (BRAD-I); GRAY K N (GRAY-I); GUSTASHAW D H (GUST-I); OAKEY D D (OAKE-I); ROMAN J J (ROMA-I)|

AU- <INVENTORS> BRADFORD J; GRAY K; GUSTASHAW D H; OAKEY D D; SCOTT G A; GRAY K N; ROMAN J J|

NC- 091|

NP- 004|

PN- WO 200111133 A1 20010215 WO 2000US1717 A 20000125 200118 B|

PN- AU 200028582 A 20010305 AU 200028582 A 20000125 200130

PN- US 20020071930 A1 20020613 US 99130795 P 19990423 200243

&lt;AN&gt; US 99148043 P 19990804

&lt;AN&gt; WO 2000US1717 A 20000125

&lt;AN&gt; US 2001882849 A 20010615

PN- EP 1208259 A1 20020529 EP 2000907014 A 20000125 200243

&lt;AN&gt; WO 2000US1717 A 20000125|

AN- <LOCAL> WO 2000US1717 A 20000125; AU 200028582 A 20000125; US 99130795 P 19990423; US 99148043 P 19990804; WO 2000US1717 A 20000125; US 2001882849 A 20010615; EP 2000907014 A 20000125; WO 2000US1717 A 20000125|

AN- <PR> US 99148043 P 19990804; US 99130795 P 19990423; US 2001882849 A 20010615|

FD- WO 200111133 A1 D06C-025/00

<DS> (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

<DS> (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

FD- AU 200028582 A D06C-025/00 Based on patent WO 200111133

FD- US 20020071930 A1 B32B-003/02 Provisional application US 99130795  
 Provisional application US 99148043  
 CIP of application WO 2000US1717

FD- EP 1208259 A1 D06C-025/00 Based on patent WO 200111133

<DS> (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE|

LA- WO 200111133(E&lt;PG&gt; 30); EP 1208259(E)|

DS- <NATIONAL> AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW|

DS- <REGIONAL> AT; BE; CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE; IT; KE; LS; LU; MC; MW; NL; OA; PT; SD; SE; SL; SZ; TZ; UG; ZW; LI|

AB- &lt;PN&gt; WO 200111133 A1|

AB- <NV> NOVELTY - The apparatus has two conveyor belts (21, 23) to advance a rectangular flooring module past two or more treating heads (30, 32) in orthogonal directions relative to each and at different speeds to treat a respective pair of opposed edges of the module. The treating heads comprise a heat source, which comprise hot air gun or a glue gun, in which their depth and angle is adjustable.|

AB- <BASIC> DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for: 1) a method for imparting a **grouted** edge appearance, 2) a flooring module usable with other similar modules to provide a floor covering, 3) an apparatus for creating a **grouted** edge appearance on an edge of a **flooring module** having a **textile fiber** face, 4) an apparatus for creating a **flooring module** of **textile fiber** face having edges different in appearance from the remainder of the face, comprising a treating unit to treat edges that remains stationary relative to a moving **module**, 5) an apparatus for creating a **flooring module** of **textile fiber** face having edges different in appearance from the remainder of the face, 6) a floor covering, 7) a method of changing the appearance of an edge portion of a **flooring module** having a **textile fiber** face, and 8) a method for installing a floor covering having a number of modules of textile fiber face material having edges different in appearance from the remainder of the face positioned with abutting edges.

USE - For creating a **grouted** edge appearance on a rectangular **flooring module** having a **textile fiber** face and two pairs of opposed edges.

DESCRIPTION OF DRAWING(S) - The figure shows a top plan view of the **grouted** edge creating apparatus with the conveyor belts and heat guns to produce a **grouted** appearance on a modular flooring.

Conveyor belts (21, 23)

Treating heads (30, 32)

pp; 30 DwgNo 7A/101

DE- <TITLE TERMS> **GROUT**; EDGE; APPARATUS; CONVEYOR; BELT; ADVANCE; RECTANGLE; FLOOR; MODULE; PASS; TREAT; HEAD; ORTHOGONAL; DIRECTION; RELATIVE; SPEED; TREAT; RESPECTIVE; PAIR; OPPOSED; EDGE; MODULE|

DC- P27; P73|

IC- <MAIN> B32B-003/02; D06C-025/00|

IC- <ADDITIONAL> A47G-027/02; D06N-007/00|

FS- EngPI||

8/4/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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IM- \*Image available\*

AA- 2000-601991/200057|

XR- <XRAM> C00-180157|

XR- <XRPX> N00-445431|

TI- Free lay flooring system, includes a base matrix, and a replaceable wear surface|

PA- INTERFACE INC (INTE-N)|

AU- <INVENTORS> SCOTT G|

NC- 090|

NP- 002|

PN- WO 200053865 A1 20000914 WO 2000US6268 A 20000310 200057 B|

PN- AU 200038739 A 20000928 AU 200038739 A 20000310 200067|

AN- <LOCAL> WO 2000US6268 A 20000310; AU 200038739 A 20000310|

AN- <PR> US 99123884 P 19990311|

FD- WO 200053865 A1 E04F-015/14

<DS> (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

<DS> (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

FD- AU 200038739 A E04F-015/14 Based on patent WO 200053865|

LA- WO 200053865(E<PG> 14)|

DS- <NATIONAL> AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM



EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS  
LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG US UZ VN YU ZA ZW|

DS- <REGIONAL> AT; BE; CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE;  
IT; KE; LS; LU; MC; MW; NL; OA; PT; SD; SE; SL; SZ; TZ; UG; ZW|

AB- <PN> WO 200053865 A1|

AB- <NV> NOVELTY - A free lay flooring system (10) comprises a base matrix  
(12), and a replaceable wear surface (14) adapted to fit within the  
base matrix.|

AB- <BASIC> DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included  
for a method for assembling a free lay system comprising positioning  
base matrices having divider partitions which forms flooring recesses,  
and placing a replaceable wear surface in each flooring recess.

USE - As a flooring system.

ADVANTAGE - The invention has a wear surface which is easily  
replaced. It also provides many design options for the replaceable wear  
surface.

DESCRIPTION OF DRAWING(S) - The figures show a perspective view of  
the free lay flooring system and a cross-sectional view of the  
replaceable wear surface.

Free lay flooring system (10)

Base matrix (12)

Replaceable wear surface (14)

Flooring recesses (16)

Divider partitions (18)

Carpet tile (24)

pp; 14 DwgNo 1/4|

AB- <TF> TECHNOLOGY FOCUS - CERAMICS AND GLASS - Preferred Material: The  
replaceable wear surface is ceramic **tile**, **carpet tile** (24), or  
other floor covering materials (preferably **carpet tile**). The  
**carpet tile** extends outwardly from the base matrix above a level of  
the divider partitions. It further comprises a backing layer positioned  
between the **carpet tile** and the base matrix. It is flush mounted  
within the flooring recess at a level even with the divider partitions.

TEXTILES AND PAPER - Preferred Material: The replaceable wear  
surface is carpet, fabric, or other floor covering materials.

ORGANIC CHEMISTRY - Preferred Material: The replaceable wear  
surface is vinyl flooring, wood, or other floor covering materials.

POLYMERS - Preferred Material: The base matrix contours to a floor  
or subfloor and is one-eighth inch thick. It is constructed of an  
elastomer, and secures to a floor by an adhesive|

AB- <XA> EXAMPLE - In an EMBODIMENT of the invention, the base matrix  
further comprises flooring recesses (16) to receive the replaceable  
wear surface. Divider partitions (18) surround each flooring recess.  
They are arranged so that each partition is joined at 90degrees forming  
a square around the recess. When viewing the base matrix from above,  
the combinations of divider partitions and replaceable wear surface  
disposed in the flooring recess appear as a flooring surface surrounded  
by **grout**. The replaceable wear surface fits flush within the flooring  
recess that allows the replaceable wear surface to remain in position  
when a downward pressure is exerted on the base matrix. The system  
further comprises a pocket formed by the flooring recesses for  
receiving the replaceable wear surface.|

DE- <TITLE TERMS> FREE; LAY; FLOOR; SYSTEM; BASE; MATRIX; REPLACE; WEAR;  
SURFACE|

DC- A93; Q45|

IC- <MAIN> E04F-015/14|

IC- <ADDITIONAL> E04F-015/22|

MC- <CPI> A12-R03|

FS- CPI; EngPI||